

2.3.3.1 Grade 1

Table 2.3.3.1.1

Raw Score Descriptive Statistics: Writ 1 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	24,698	0	26	12.50	5.63
Total	24,698	0	26	12.50	5.63

Figure 2.3.3.1.1
Raw Scores: Writ 1AS403 Paper

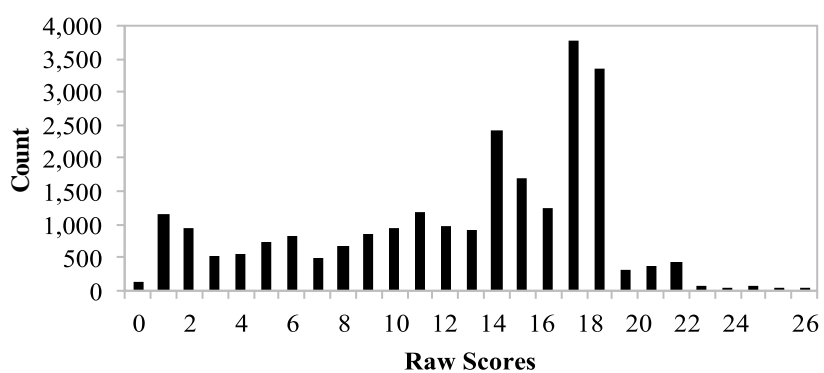
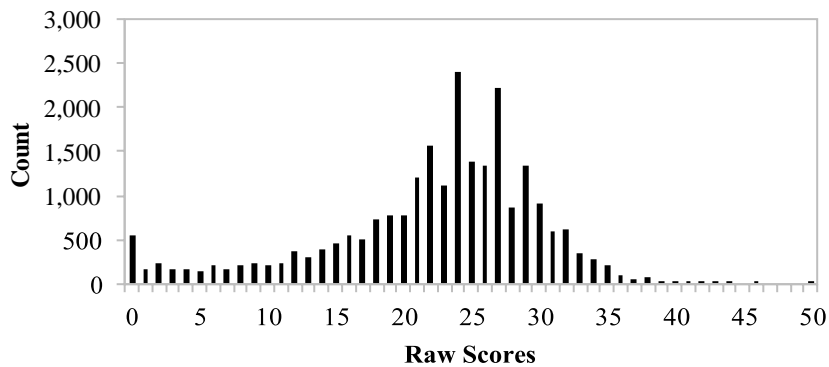


Table 2.3.3.1.2

Raw Score Descriptive Statistics: Writ 1 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	24,207	0	50	22.08	7.97
Total	24,207	0	50	22.08	7.97

Figure 2.3.3.1.2
Raw Scores: Writ 1B/C S403 Paper



2.3.3.2 Grade 2

Table 2.3.3.2.1

Raw Score Descriptive Statistics: Writ 2 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,160	0	19	8.06	4.68
Total	10,160	0	19	8.06	4.68

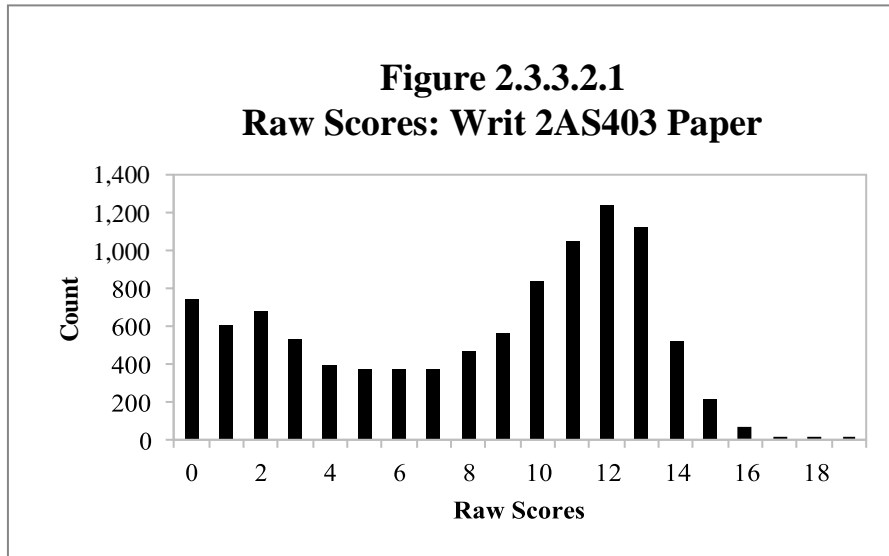
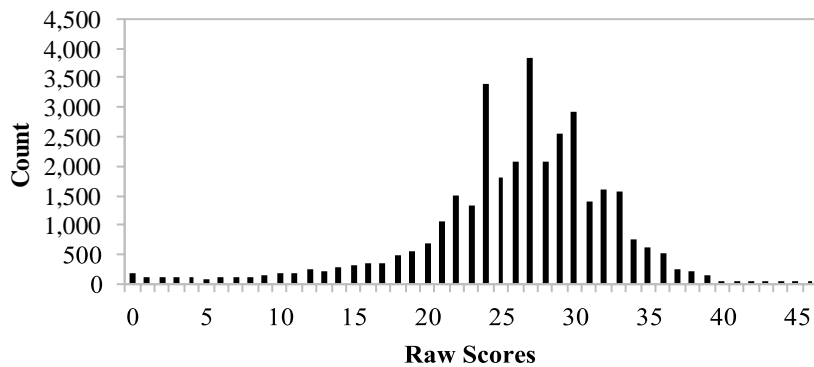


Table 2.3.3.2.2

Raw Score Descriptive Statistics: Writ 2 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	34,911	0	46	25.83	6.71
Total	34,911	0	46	25.83	6.71

Figure 2.3.3.2.2
Raw Scores: Writ 2B/C S403 Paper



2.3.3.3 Grade 3

Table 2.3.3.3.1

Raw Score Descriptive Statistics: Writ 3 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,985	0	18	8.97	4.67
Total	6,985	0	18	8.97	4.67

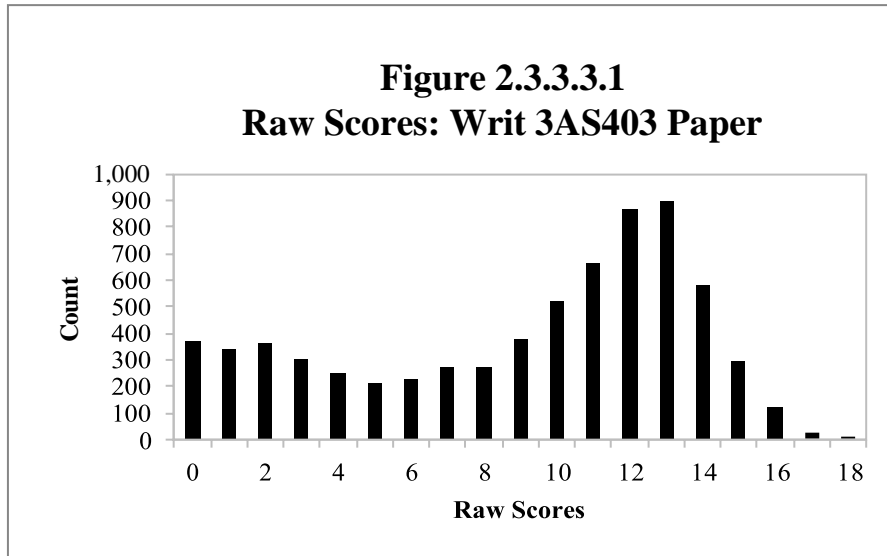
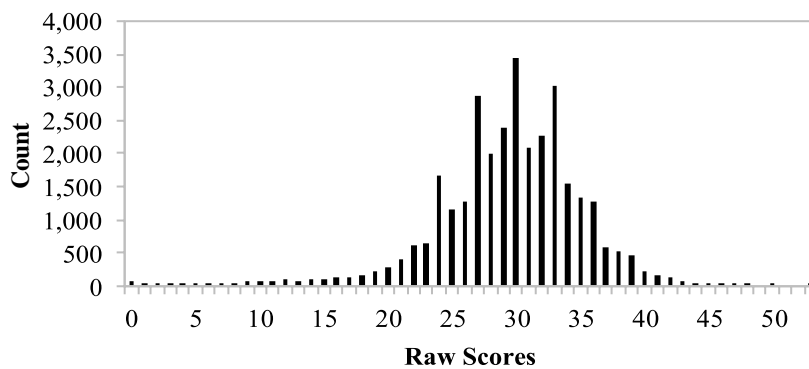


Table 2.3.3.3.2

Raw Score Descriptive Statistics: Writ 3 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	32,024	0	53	29.29	5.96
Total	32,024	0	53	29.29	5.96

Figure 2.3.3.3.2
Raw Scores: Writ 3B/C S403 Paper



2.3.3.4 Grades 4–5

Table 2.3.3.4.1

Raw Score Descriptive Statistics: Writ 4-5 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,378	0	18	7.93	4.14
5	4,817	0	18	8.70	4.01
Total	10,195	0	18	8.29	4.10

Figure 2.3.3.4.1
Raw Scores: Writ 4-5AS403 Paper

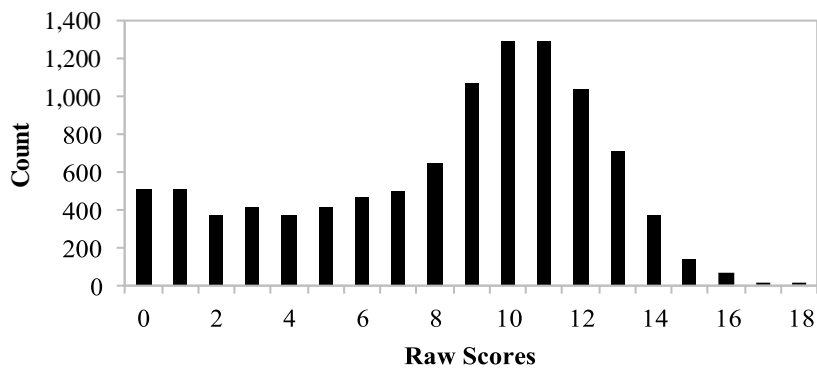
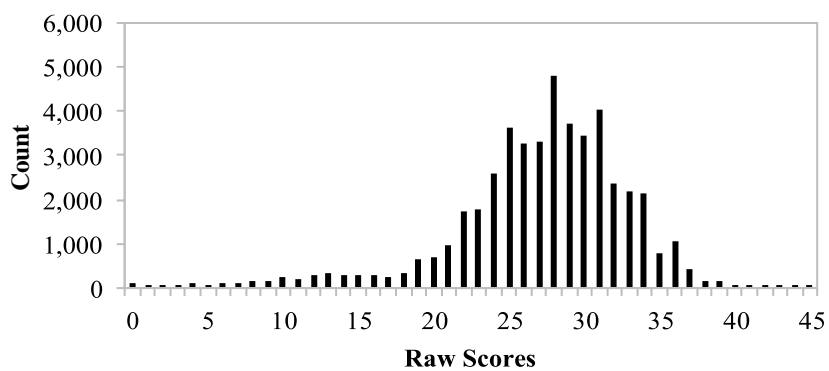


Table 2.3.3.4.2

Raw Score Descriptive Statistics: Writ 4-5 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	25,191	0	43	26.02	5.92
5	22,104	0	45	28.23	5.73
Total	47,295	0	45	27.05	5.93

Figure 2.3.3.4.2
Raw Scores: Writ 4-5B/C S403 Paper



2.3.3.5 Grades 6–8

Table 2.3.3.5.1

Raw Score Descriptive Statistics: Writ 6-8 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,784	0	20	8.94	4.27
7	4,784	0	21	9.24	4.20
8	4,752	0	21	9.70	4.05
Total	14,320	0	21	9.29	4.19

Figure 2.3.3.5.1
Raw Scores: Writ 6-8AS403 Paper

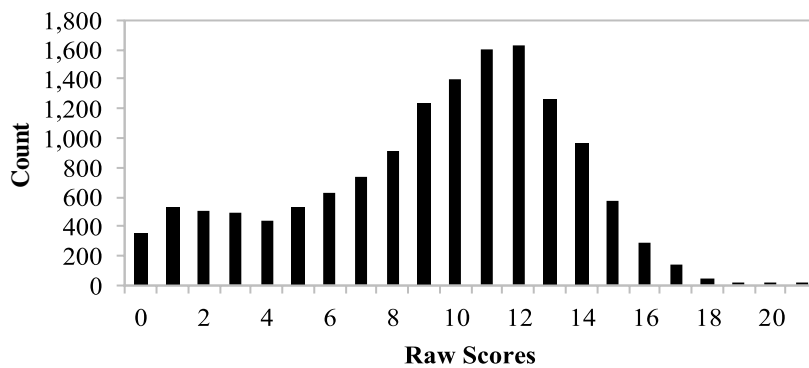
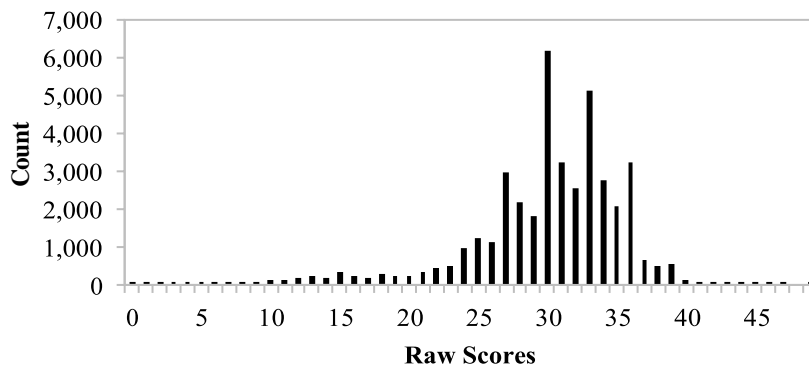


Table 2.3.3.5.2

Raw Score Descriptive Statistics: Writ 6-8 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	15,009	0	46	28.75	6.13
7	14,123	0	49	29.91	6.03
8	12,460	0	49	30.88	5.74
Total	41,592	0	49	29.78	6.05

Figure 2.3.3.5.2
Raw Scores: Writ 6-8B/C S403 Paper



2.3.3.6 Grades 9–12

Table 2.3.3.6.1

Raw Score Descriptive Statistics: Writ 9-12 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,523	0	21	8.76	4.65
10	4,215	0	21	9.60	4.34
11	3,482	0	21	10.34	4.23
12	1,873	0	21	10.97	3.91
Total	15,093	0	21	9.63	4.45

Figure 2.3.3.6.1
Raw Scores: Writ 9-12AS403 Paper

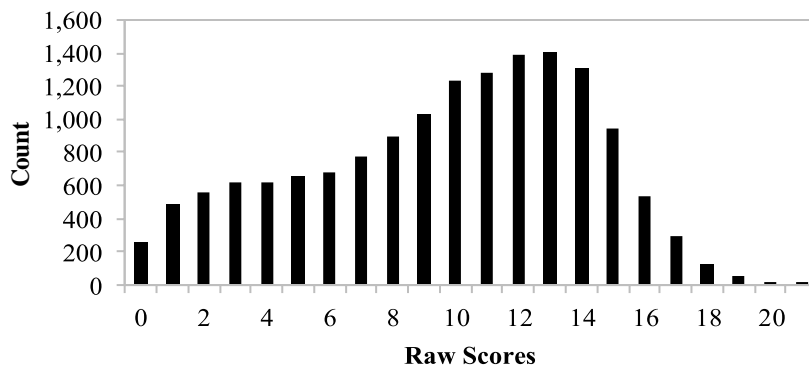
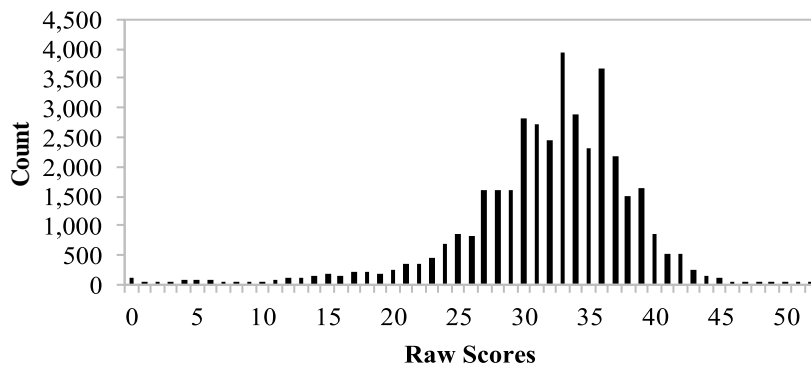


Table 2.3.3.6.2

Raw Score Descriptive Statistics: Writ 9-12 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	11,213	0	52	31.25	6.43
10	10,977	0	50	31.64	6.67
11	9,975	0	51	32.41	6.56
12	6,938	0	50	31.61	6.98
Total	39,103	0	52	31.72	6.64

Figure 2.3.3.6.2
Raw Scores: Writ 9-12B/C S403 Paper



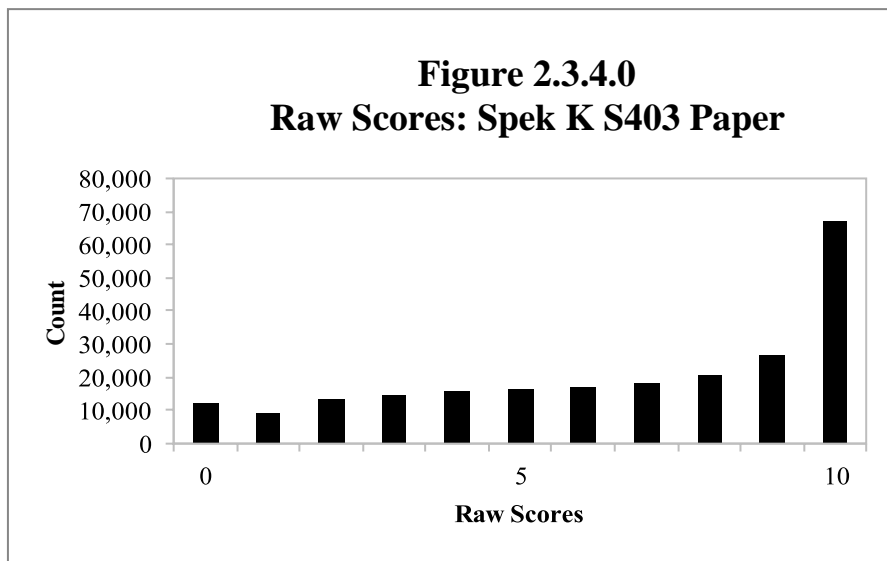
2.3.4 Speaking

2.3.4.0 Kindergarten

Table 2.3.4.0

Raw Score Descriptive Statistics: Spek K S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	232,464	0	10	6.60	3.25
Total	232,464	0	10	6.60	3.25



2.3.4.1 Grade 1

Table 2.3.4.1.1

Raw Score Descriptive Statistics: Spek 1 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	24,584	0	18	11.24	3.95
Total	24,584	0	18	11.24	3.95

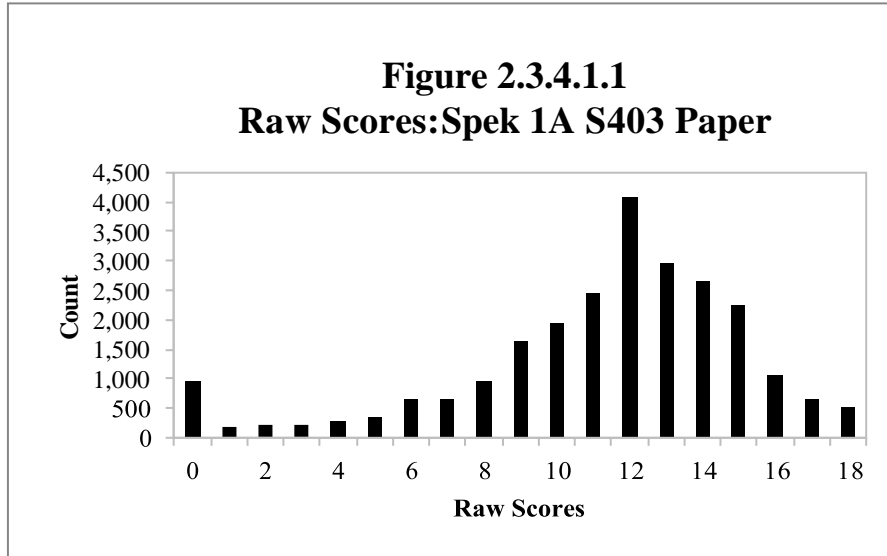
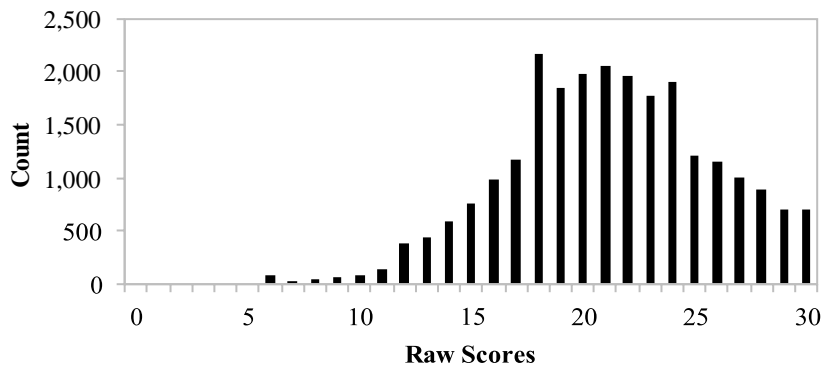


Table 2.3.4.1.2

Raw Score Descriptive Statistics: Spek 1 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	24,119	6	30	21.16	4.57
Total	24,119	6	30	21.16	4.57

Figure 2.3.4.1.2
Raw Scores: Spek 1B/C S403 Paper



2.3.4.2 Grade 2

Table 2.3.4.2.1

Raw Score Descriptive Statistics: Spek 2 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,099	0	18	10.68	4.63
Total	10,099	0	18	10.68	4.63

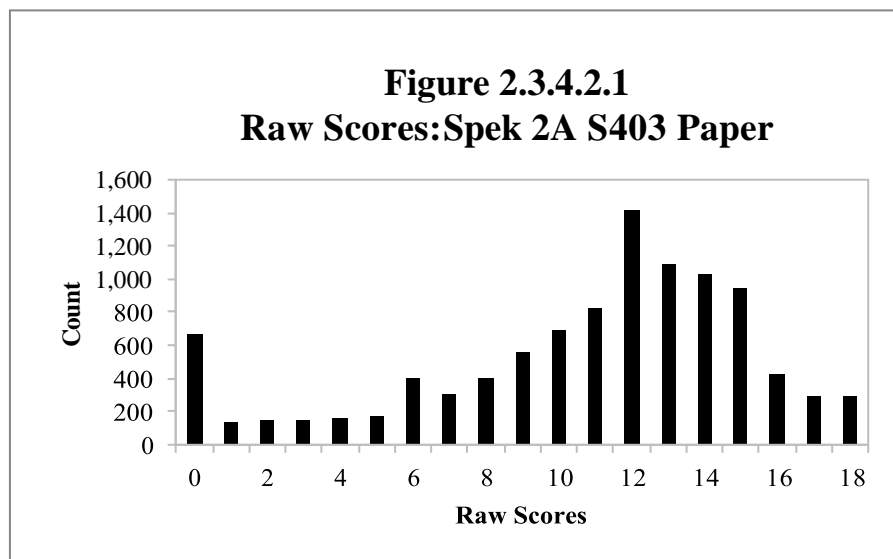
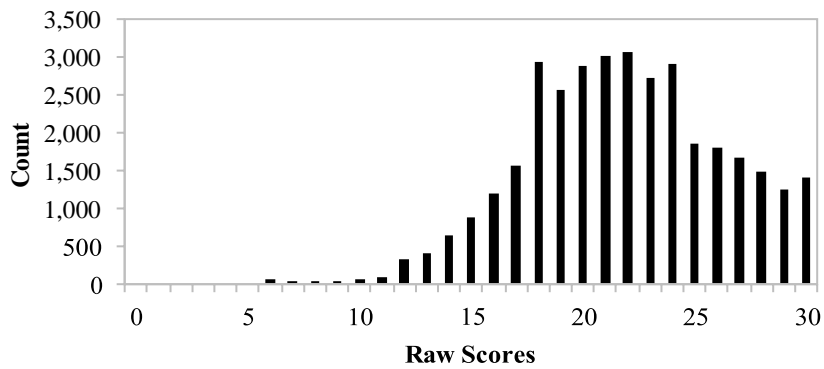


Table 2.3.4.2.2

Raw Score Descriptive Statistics: Spek 2 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	34,770	6	30	21.81	4.39
Total	34,770	6	30	21.81	4.39

Figure 2.3.4.2.2
Raw Scores: Spek 2B/C S403 Paper



2.3.4.3 Grade 3

Table 2.3.4.3.1

Raw Score Descriptive Statistics: Spek 3 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,953	0	18	10.34	4.83
Total	6,953	0	18	10.34	4.83

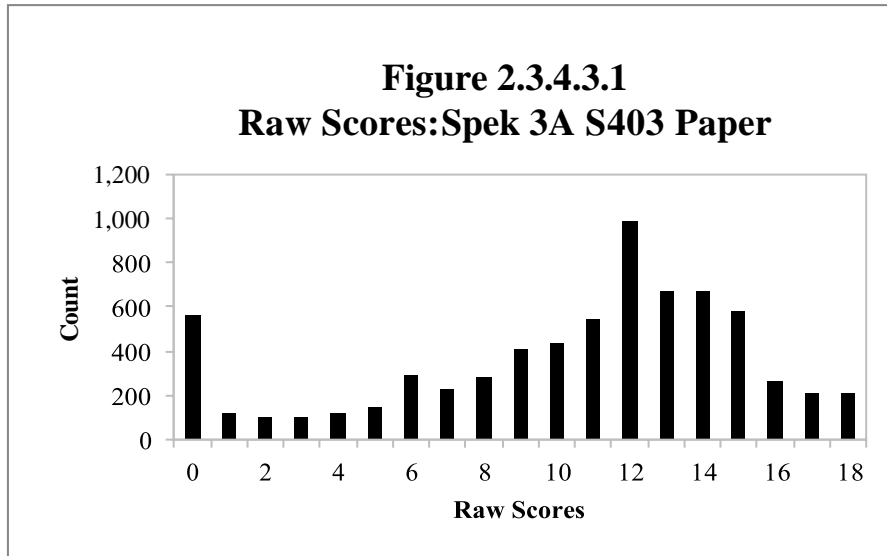
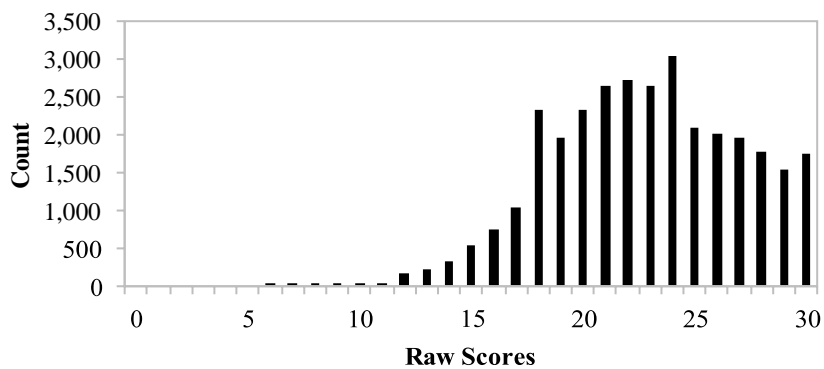


Table 2.3.4.3.2

Raw Score Descriptive Statistics: Spek 3 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	31,924	6	30	22.76	4.24
Total	31,924	6	30	22.76	4.24

Figure 2.3.4.3.2
Raw Scores: Spek 3B/C S403 Paper



2.3.4.4 Grades 4–5

Table 2.3.4.4.1

Raw Score Descriptive Statistics: Spek 4-5 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,341	0	18	9.14	4.65
5	4,795	0	18	9.53	4.56
Total	10,136	0	18	9.32	4.61

Figure 2.3.4.4.1
Raw Scores: Spek 4-5AS403 Paper

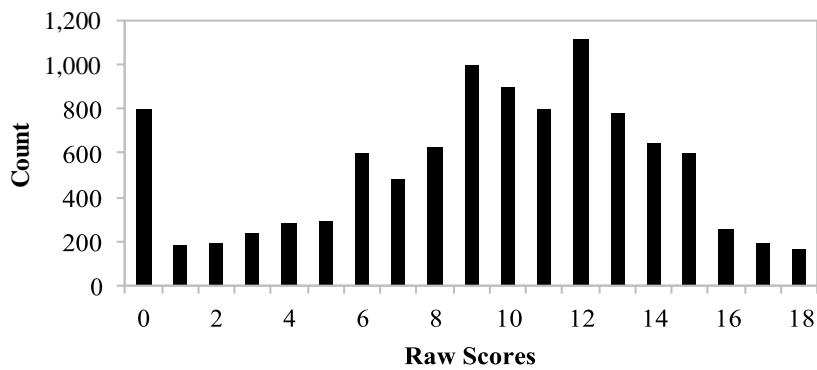
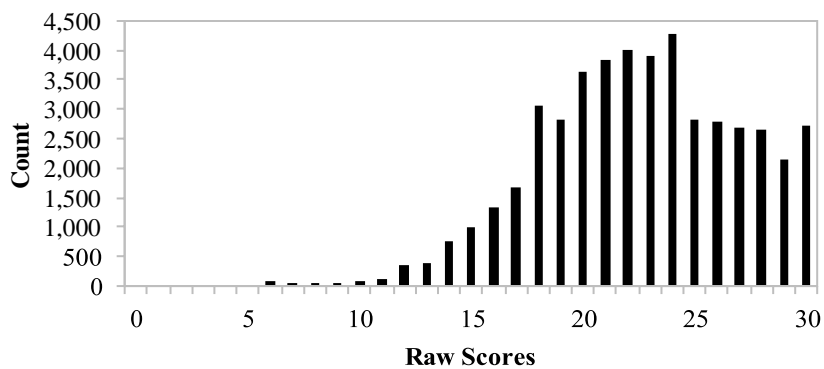


Table 2.3.4.4.2

Raw Score Descriptive Statistics: Spek 4-5 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	25,119	6	30	22.22	4.44
5	22,052	6	30	22.89	4.39
Total	47,171	6	30	22.53	4.43

Figure 2.3.4.4.2
Raw Scores: Spek 4-5B/C S403 Paper



2.3.4.5 Grades 6–8

Table 2.3.4.5.1

Raw Score Descriptive Statistics: Spek 6-8 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,754	0	18	9.29	4.37
7	4,755	0	18	9.40	4.32
8	4,722	0	18	9.59	4.16
Total	14,231	0	18	9.43	4.29

Figure 2.3.4.5.1
Raw Scores: Spek 6-8AS403 Paper

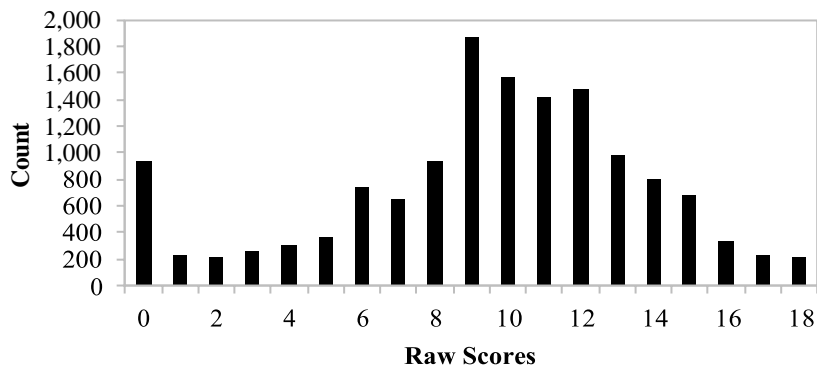
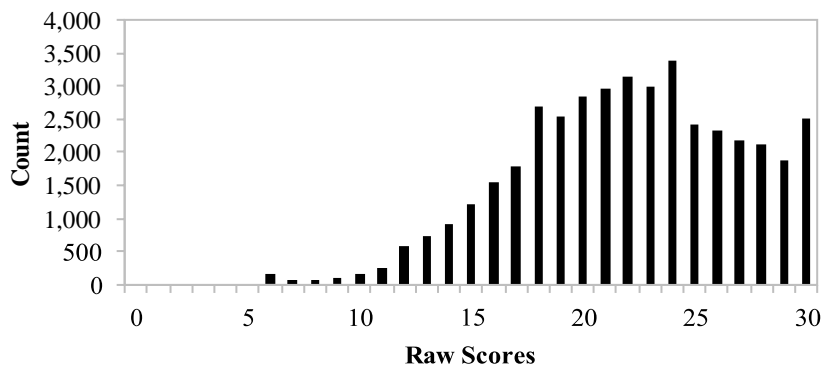


Table 2.3.4.5.2

Raw Score Descriptive Statistics: Spek 6-8 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	14,946	6	30	21.57	4.84
7	14,080	6	30	22.01	4.90
8	12,408	6	30	22.46	5.03
Total	41,434	6	30	21.99	4.93

Figure 2.3.4.5.2
Raw Scores: Spek 6-8B/C S403 Paper



2.3.4.6 Grades 9–12

Table 2.3.4.6.1

Raw Score Descriptive Statistics: Spek 9-12 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,479	0	18	9.00	4.64
10	4,192	0	18	9.70	4.29
11	3,446	0	18	9.96	4.19
12	1,856	0	18	10.91	3.74
Total	14,973	0	18	9.65	4.38

Figure 2.3.4.6.1
Raw Scores: Spek 9-12AS403 Paper

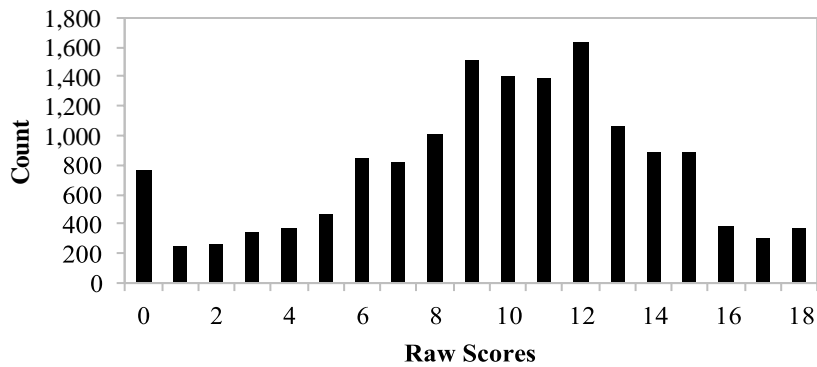
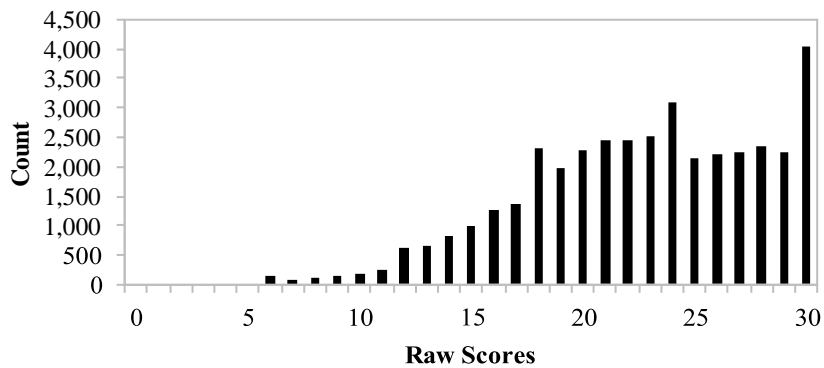


Table 2.3.4.6.2

Raw Score Descriptive Statistics: Spek 9-12 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	11,166	6	30	22.64	5.15
10	10,919	6	30	22.51	5.36
11	9,929	6	30	22.76	5.27
12	6,899	6	30	22.49	5.27
Total	38,913	6	30	22.61	5.26

Figure 2.3.4.6.2
Raw Scores: Spek 9-12B/C S403 Paper



2.4 Scale Score Distribution

Figures and tables in this section relate to the ACCESS for ELLs scale scores on each test form. For each test form, raw scores were converted to vertically equated scale scores. Scale score distribution is presented by grade-level cluster and tier, and also by grade-level cluster, combining tiers.

For each test form, the figure shows the distribution of the scale scores. Scale scores are plotted on the horizontal axis, grouped into units of five scale score points (e.g., 100-104, 105-109, 110-114, etc.). The number of students with scale scores falling into each range is plotted on the vertical axis. ACCESS Paper is tiered; therefore, depending on the tiers the students were placed in, their possible scale scores will vary.

The tables in this section show, by grade and by total for the grade-level cluster:

- The number of students in the analyses (count)
- The minimum observed scale score
- The maximum observed scale score
- The mean (average) scale score
- The standard deviation (std. dev.) of the scale scores

In the tables and figures in this section, scale scores that were computed using mode-adjusted scoring tables are excluded from the analysis.

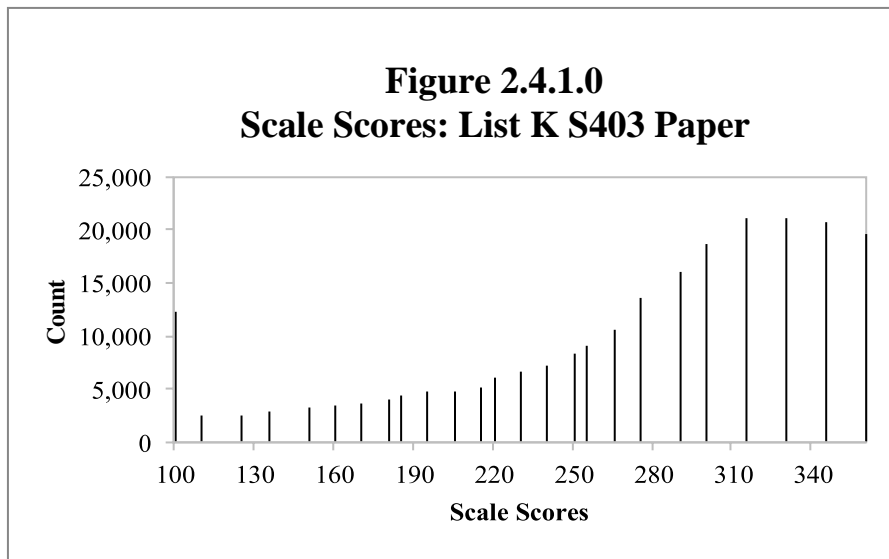
2.4.1 Listening

2.4.1.0 Kindergarten

Table 2.4.1.0

Scale Score Descriptive Statistics: List K S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	232,467	100	363	269.34	73.39
Total	232,467	100	363	269.34	73.39



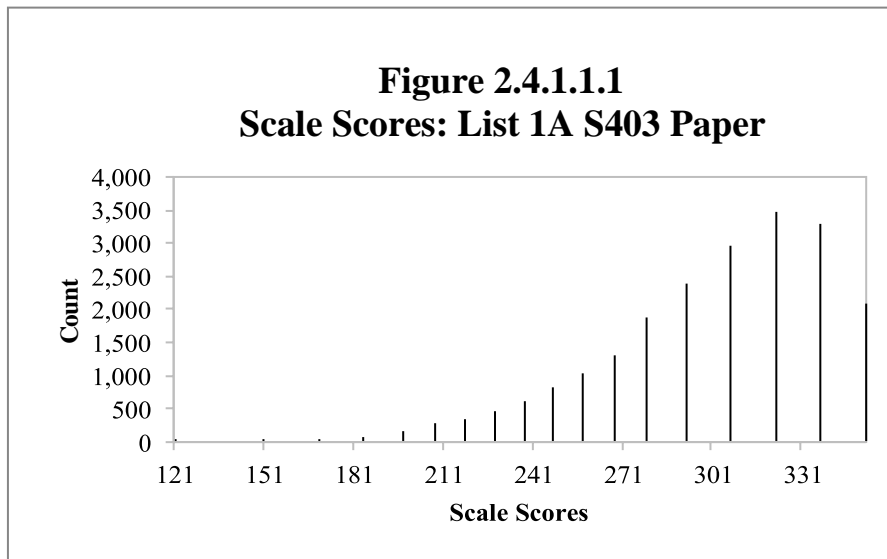
2.4.1.1 Grade 1

Table 2.4.1.1.1

Scale Score Descriptive Statistics: List 1 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	21,170	121	352	299.47	38.28
Total	21,170	121	352	299.47	38.28

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



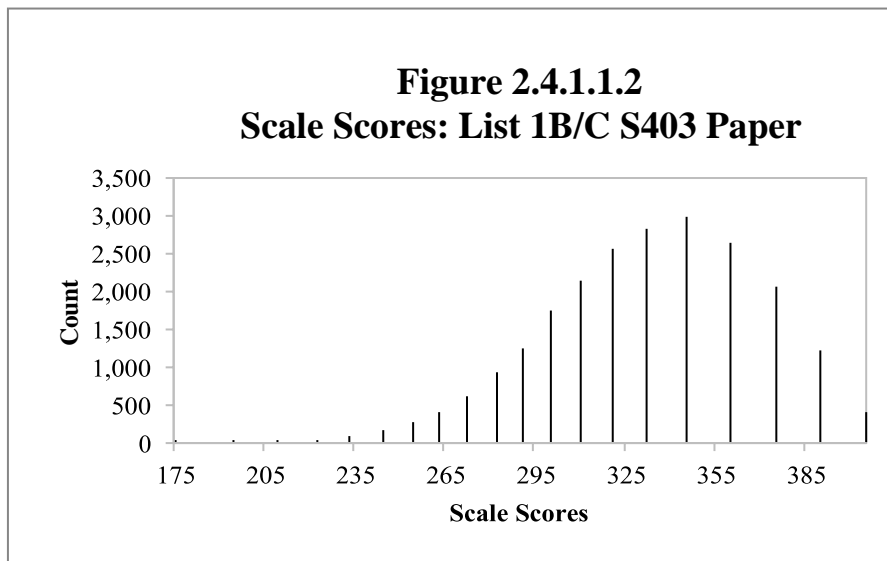
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.1.2

Scale Score Descriptive Statistics: List 1 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	22,356	175	405	329.99	35.93
Total	22,356	175	405	329.99	35.93

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



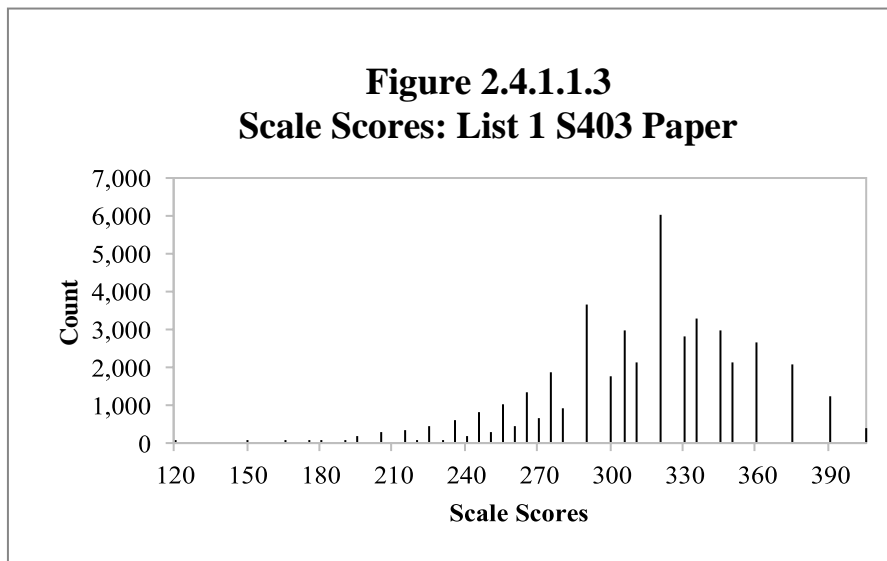
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.1.3

Scale Score Descriptive Statistics: List 1 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	43,526	121	405	315.15	40.10
Total	43,526	121	405	315.15	40.10

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

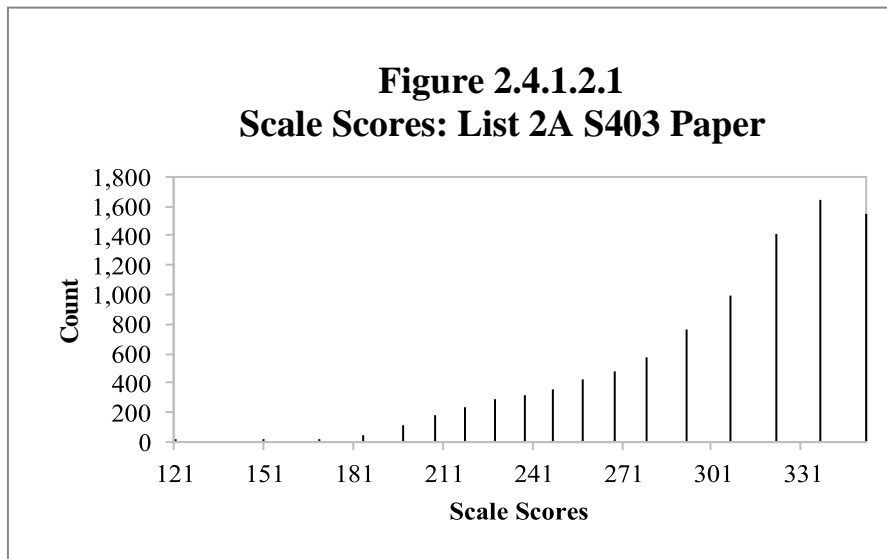
2.4.1.2 Grade 2

Table 2.4.1.2.1

Scale Score Descriptive Statistics: List 2 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	9,401	121	352	301.32	43.50
Total	9,401	121	352	301.32	43.50

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



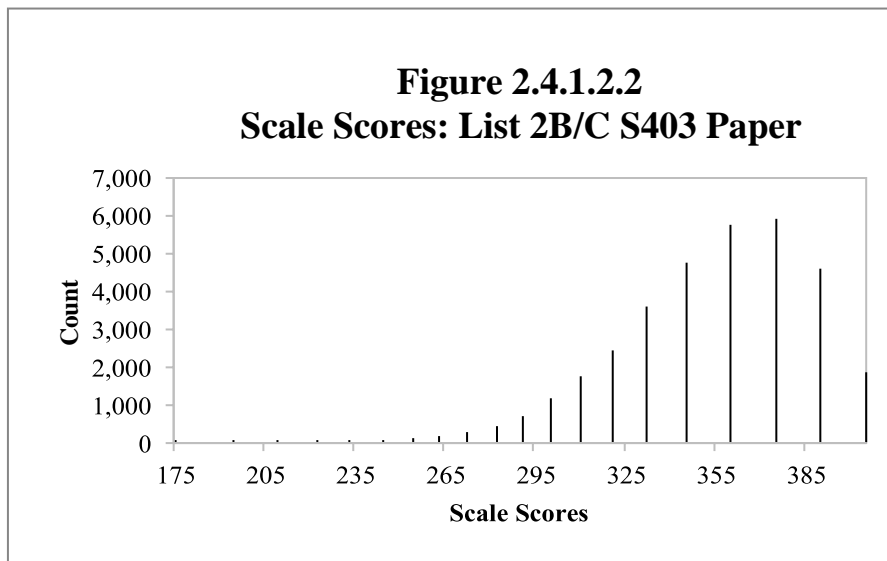
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.2.2

Scale Score Descriptive Statistics: List 2 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	33,669	175	405	352.15	32.81
Total	33,669	175	405	352.15	32.81

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



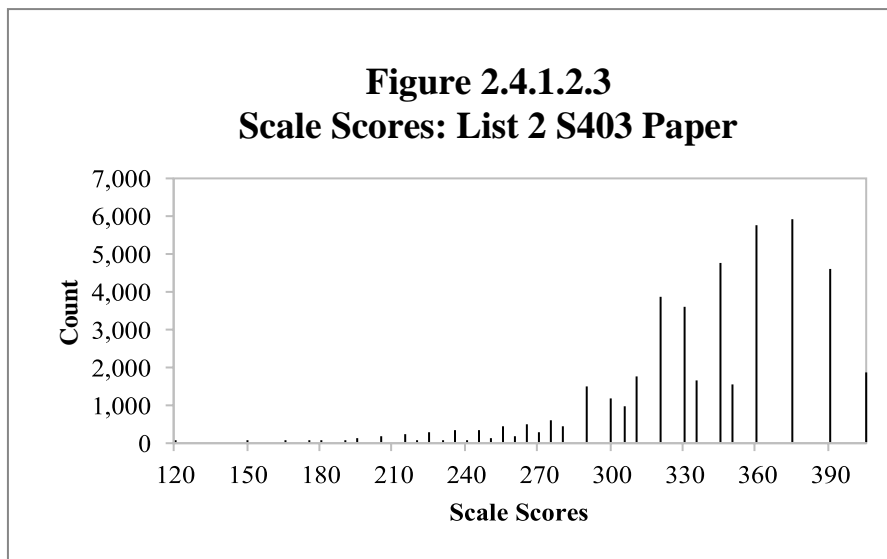
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.2.3

Scale Score Descriptive Statistics: List 2 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	43,070	121	405	341.06	41.17
Total	43,070	121	405	341.06	41.17

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

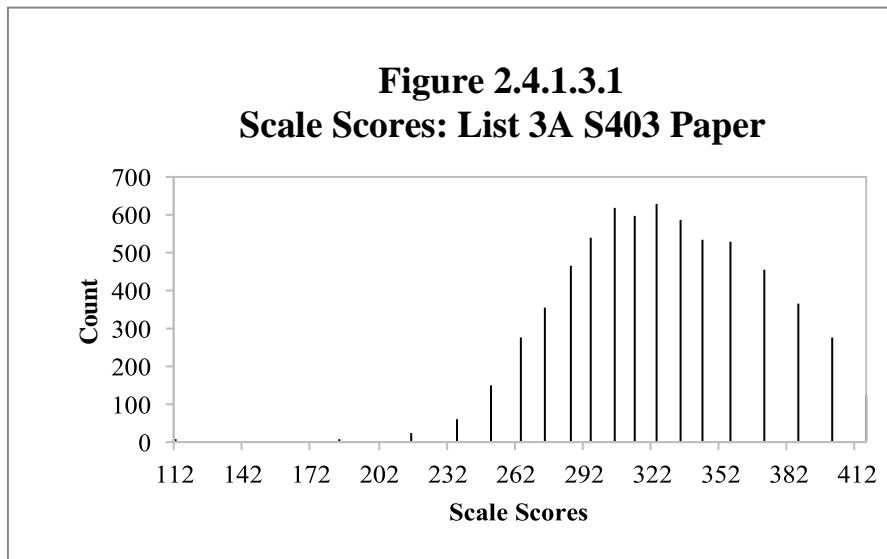
2.4.1.3 Grade 3

Table 2.4.1.3.1

Scale Score Descriptive Statistics: List 3 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,587	112	416	324.84	40.58
Total	6,587	112	416	324.84	40.58

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



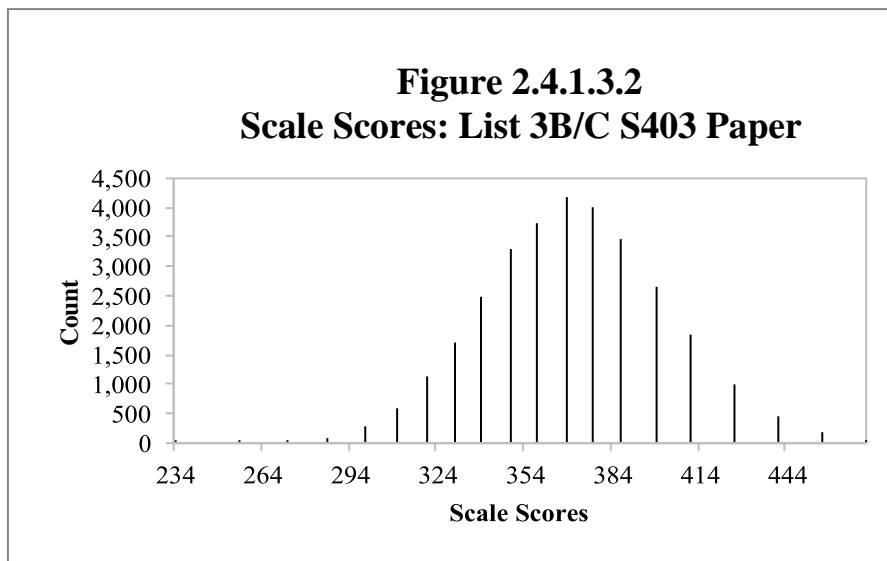
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.3.2

Scale Score Descriptive Statistics: List 3 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	31,171	234	471	368.51	30.08
Total	31,171	234	471	368.51	30.08

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



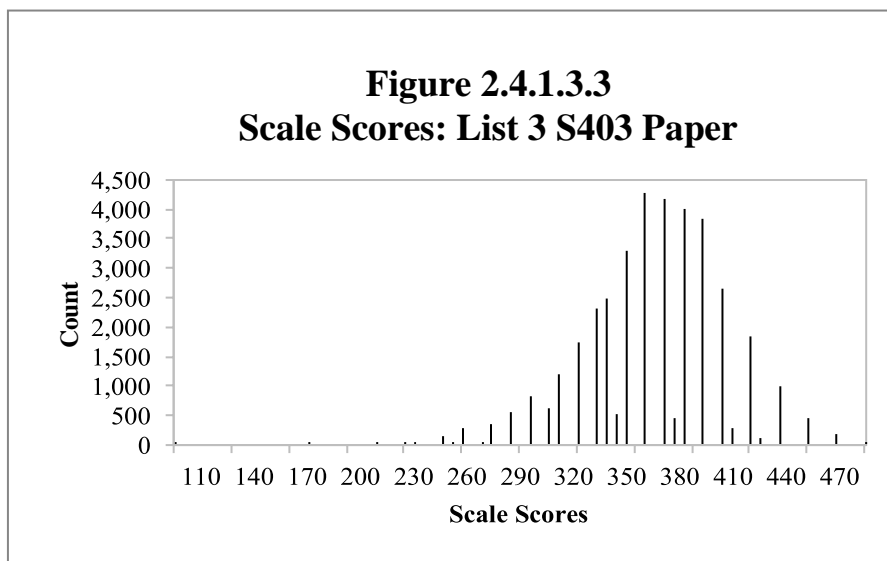
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.3.3

Scale Score Descriptive Statistics: List 3 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	37,758	112	471	360.89	36.18
Total	37,758	112	471	360.89	36.18

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

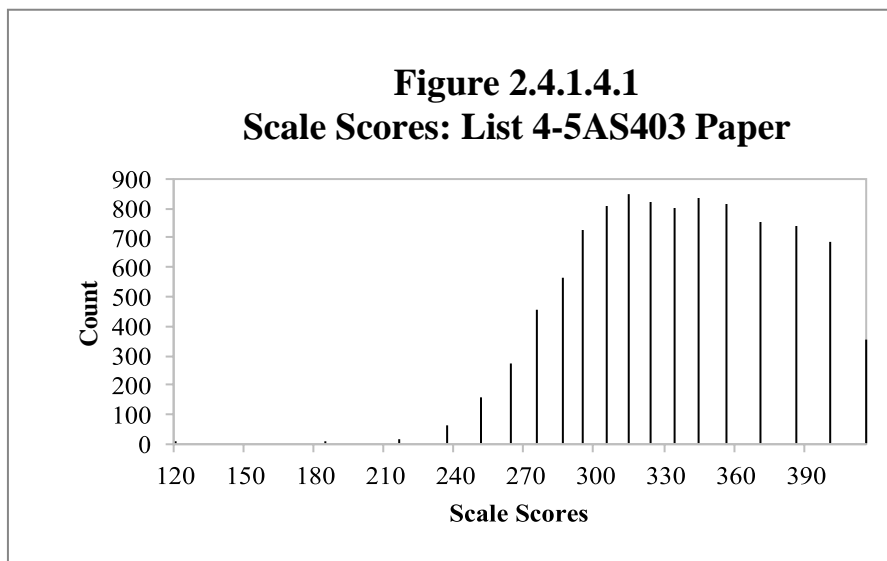
2.4.1.4 Grades 4–5

Table 2.4.1.4.1

Scale Score Descriptive Statistics: List 4-5 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,105	184	416	330.36	42.32
5	4,622	120	416	336.73	42.54
Total	9,727	120	416	333.39	42.54

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



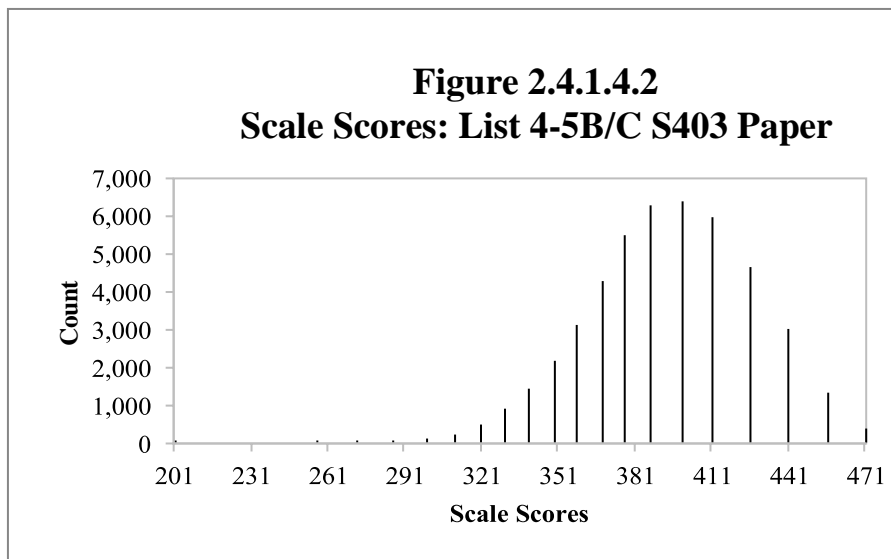
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.4.2

Scale Score Descriptive Statistics: List 4-5 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	24,613	201	471	385.89	31.27
5	21,650	256	471	396.93	32.24
Total	46,263	201	471	391.06	32.21

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



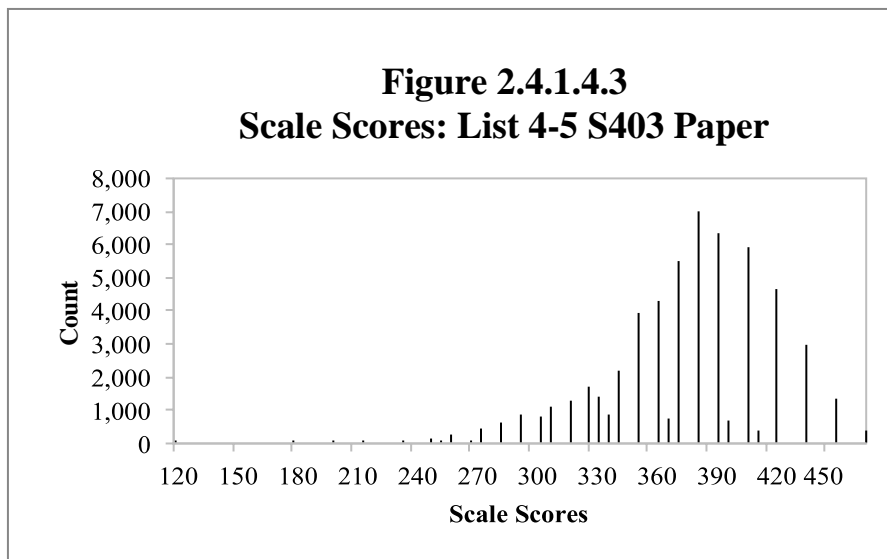
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.4.3

Scale Score Descriptive Statistics: List 4-5 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	29,718	184	471	376.35	39.45
5	26,272	120	471	386.34	41.24
Total	55,990	120	471	381.04	40.60

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

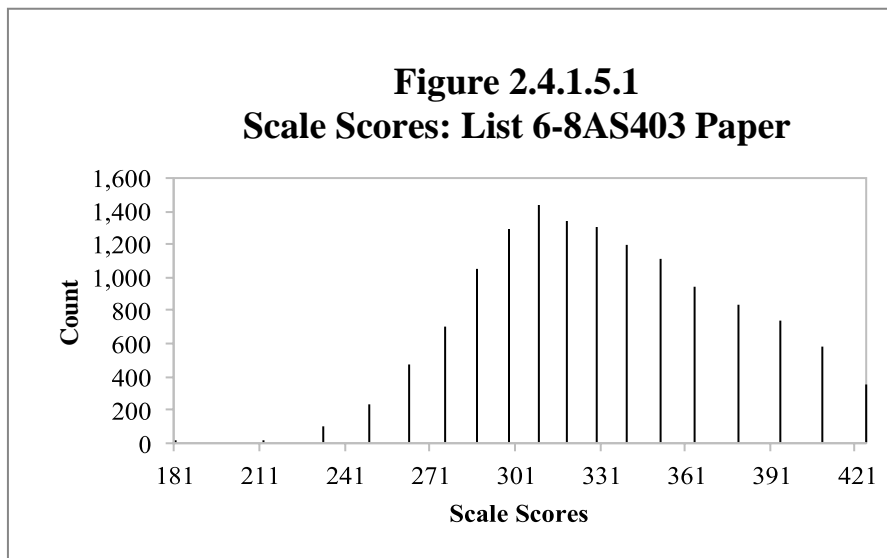
2.4.1.5 Grades 6–8

Table 2.4.1.5.1

Scale Score Descriptive Statistics: List 6-8 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,571	212	424	329.99	42.19
7	4,596	181	424	329.34	42.96
8	4,574	181	424	331.06	41.86
Total	13,741	181	424	330.13	42.34

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



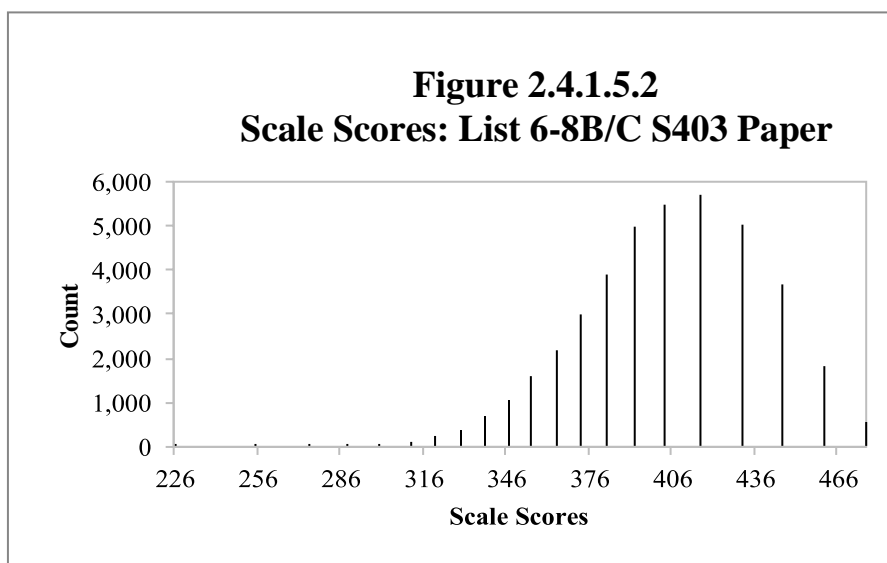
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.5.2

Scale Score Descriptive Statistics: List 6-8 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	14,605	274	476	395.79	31.65
7	13,715	226	476	403.19	33.13
8	12,076	274	476	408.48	33.63
Total	40,396	226	476	402.10	33.16

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



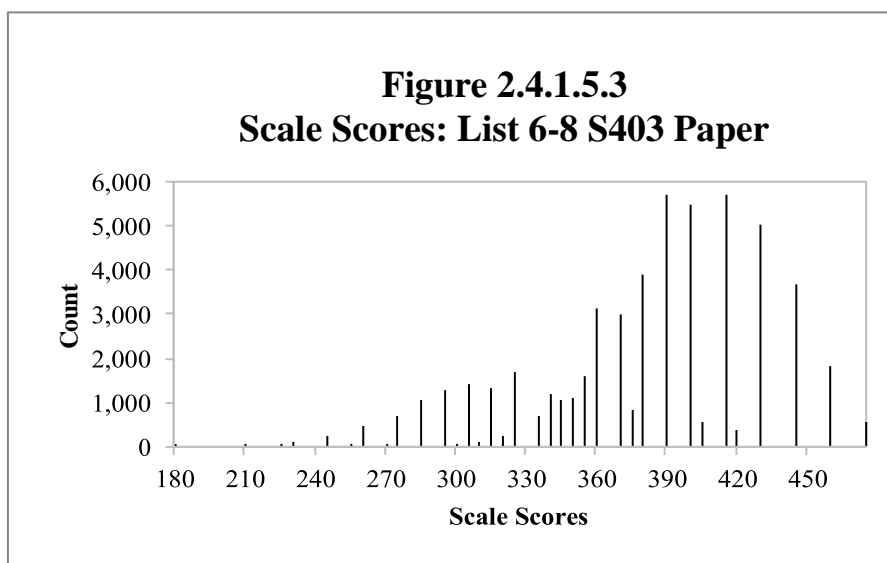
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.5.3

Scale Score Descriptive Statistics: List 6-8 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	19,176	212	476	380.11	44.42
7	18,311	181	476	384.65	48.07
8	16,650	181	476	387.21	49.96
Total	54,137	181	476	383.83	47.51

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

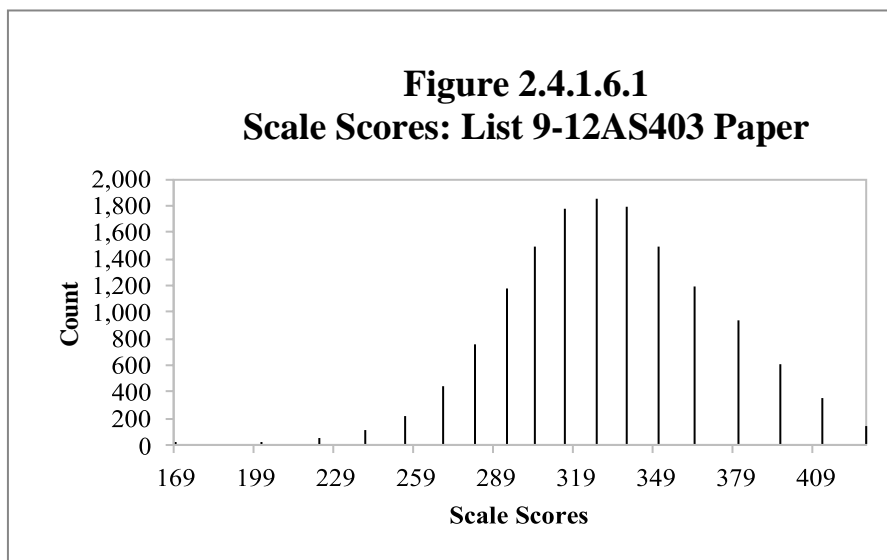
2.4.1.6 Grades 9–12

Table 2.4.1.6.1

Scale Score Descriptive Statistics: List 9-12 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,211	169	428	326.59	37.94
10	4,021	201	428	330.53	36.41
11	3,361	169	428	332.93	37.67
12	1,793	169	428	335.21	35.81
Total	14,386	169	428	330.25	37.32

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



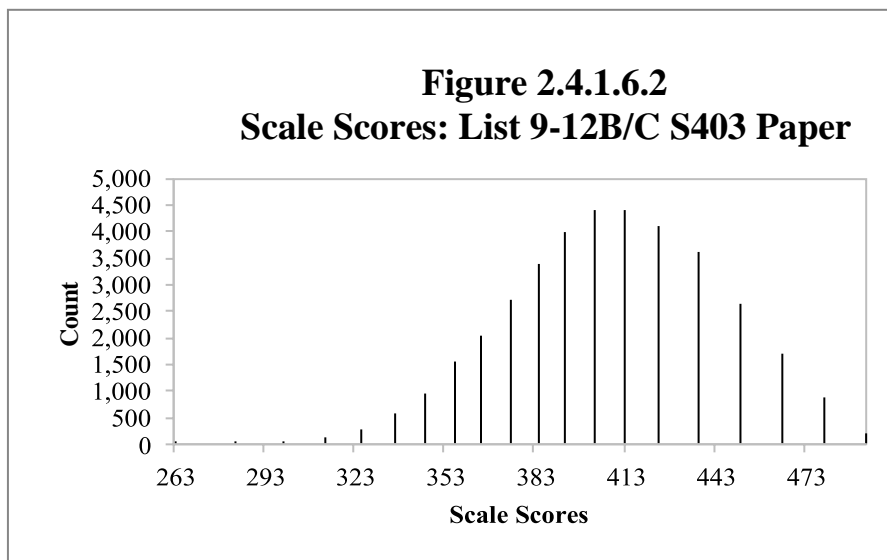
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.6.2

Scale Score Descriptive Statistics: List 9-12 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,831	263	493	404.71	33.49
10	10,580	263	493	406.45	34.68
11	9,621	263	493	408.22	35.17
12	6,675	263	493	403.37	34.83
Total	37,707	263	493	405.85	34.54

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



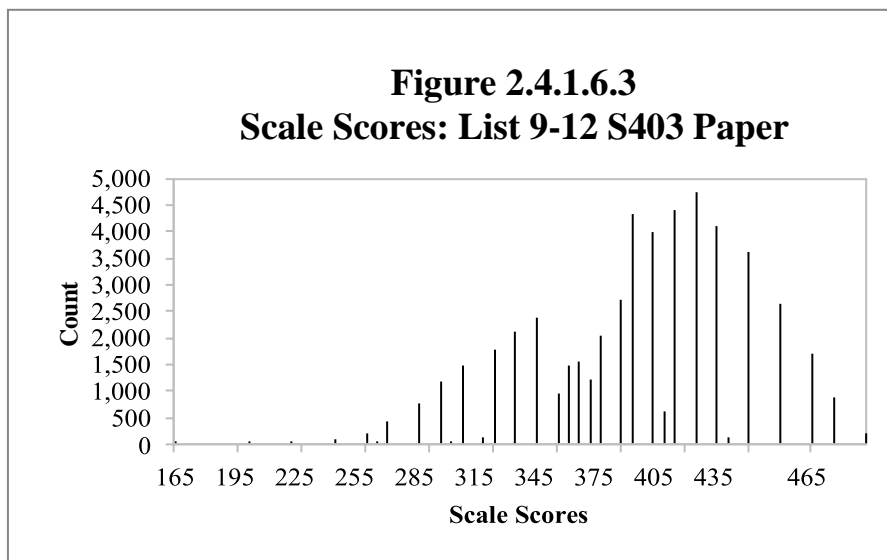
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.1.6.3

Scale Score Descriptive Statistics: List 9-12 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	16,042	169	493	379.33	50.63
10	14,601	201	493	385.54	48.85
11	12,982	169	493	388.72	48.70
12	8,468	169	493	388.93	44.76
Total	52,093	169	493	384.97	48.89

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

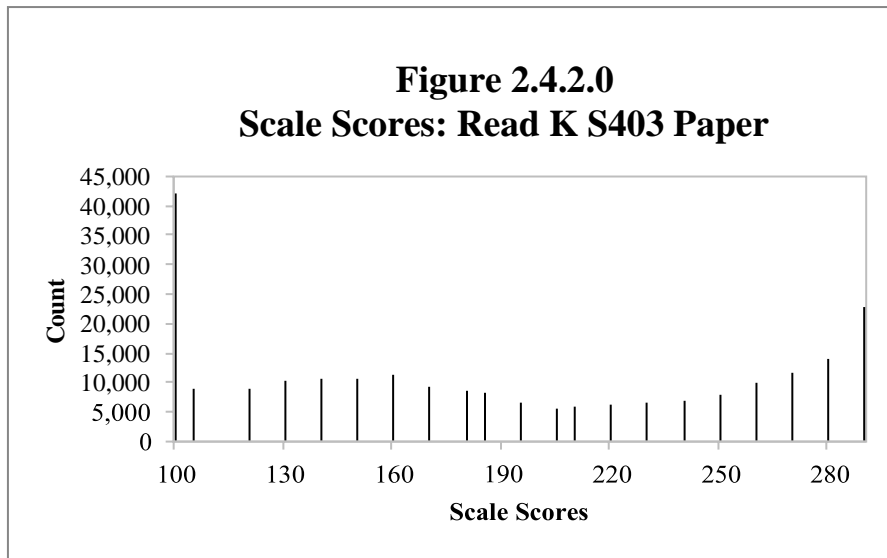
2.4.2 Reading

2.4.2.0 Kindergarten

Table 2.4.2.0

Scale Score Descriptive Statistics: Read K S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	232,458	100	290	187.83	67.47
Total	232,458	100	290	187.83	67.47



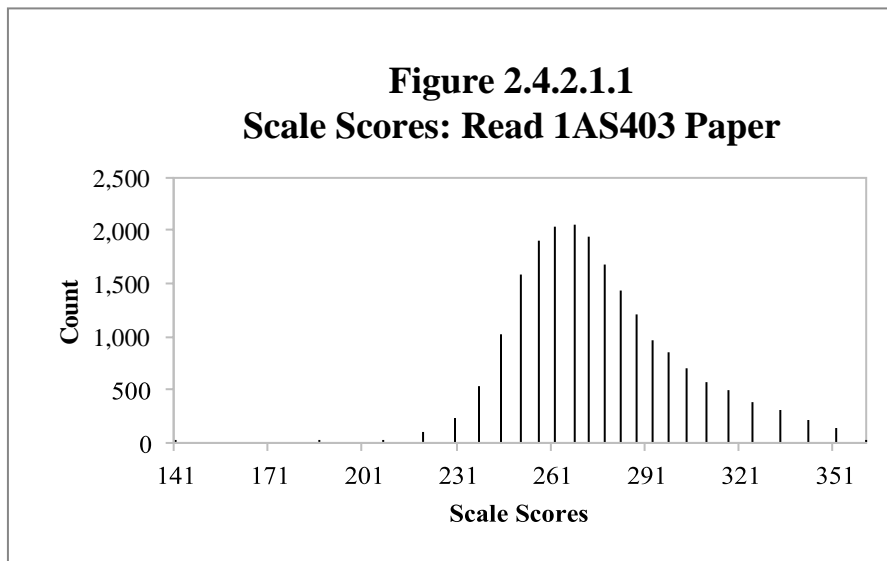
2.4.2.1 Grade 1

Table 2.4.2.1.1

Scale Score Descriptive Statistics: Read 1 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	20,442	141	361	275.47	24.08
Total	20,442	141	361	275.47	24.08

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



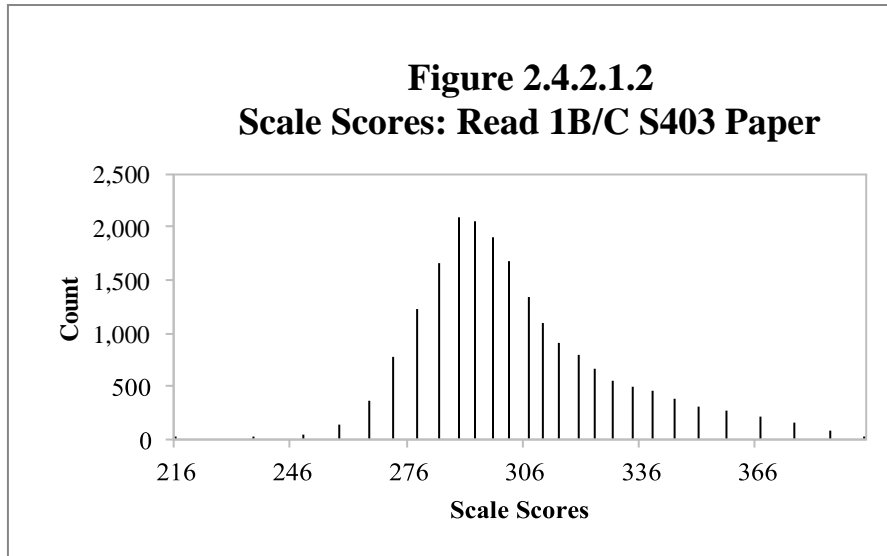
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.1.2

Scale Score Descriptive Statistics: Read 1 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	19,731	216	394	303.42	23.27
Total	19,731	216	394	303.42	23.27

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



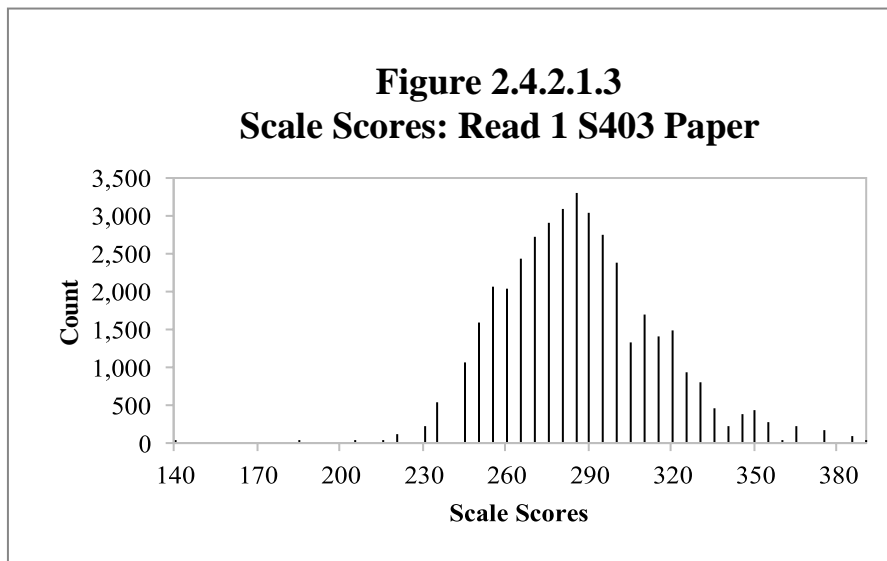
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.1.3

Scale Score Descriptive Statistics: Read 1 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	40,173	141	394	289.20	27.50
Total	40,173	141	394	289.20	27.50

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

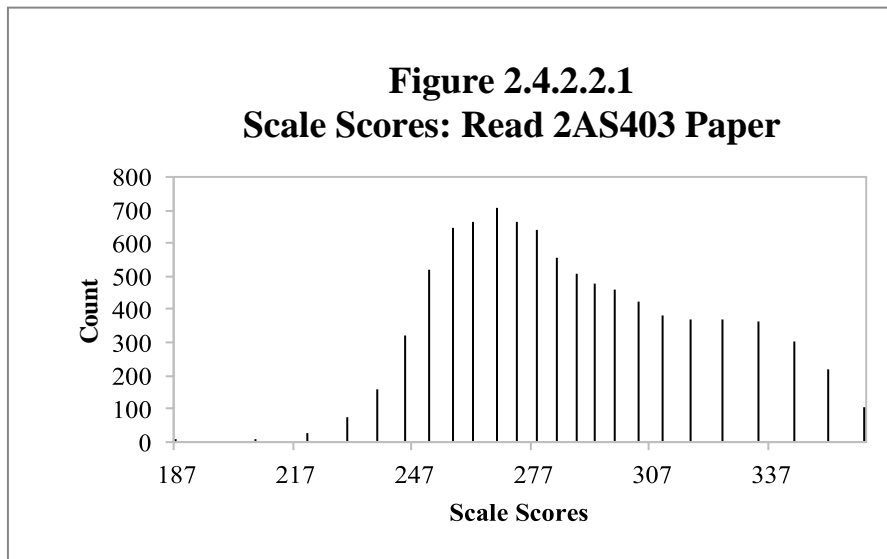
2.4.2.2 Grade 2

Table 2.4.2.2.1

Scale Score Descriptive Statistics: Read 2 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	8,954	187	361	286.15	29.84
Total	8,954	187	361	286.15	29.84

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



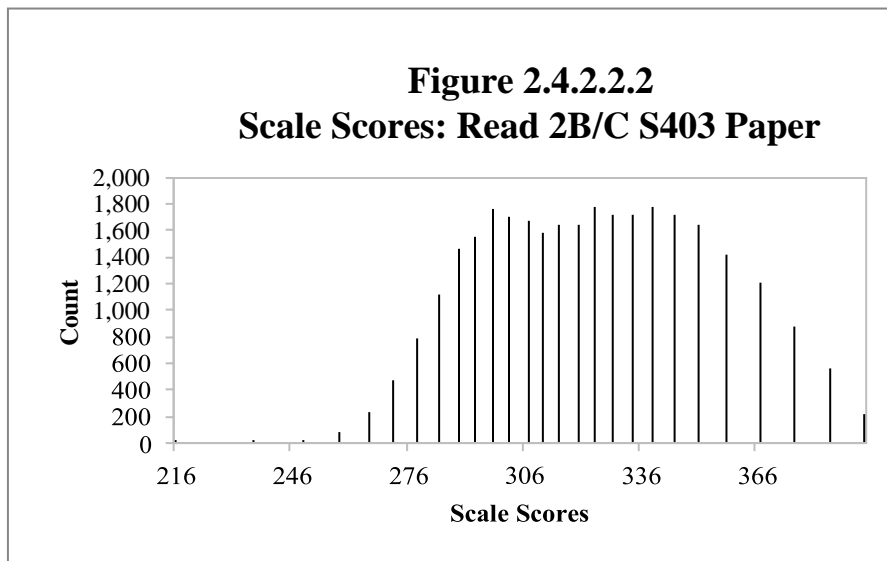
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.2.2

Scale Score Descriptive Statistics: Read 2 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	30,368	216	394	322.34	28.15
Total	30,368	216	394	322.34	28.15

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



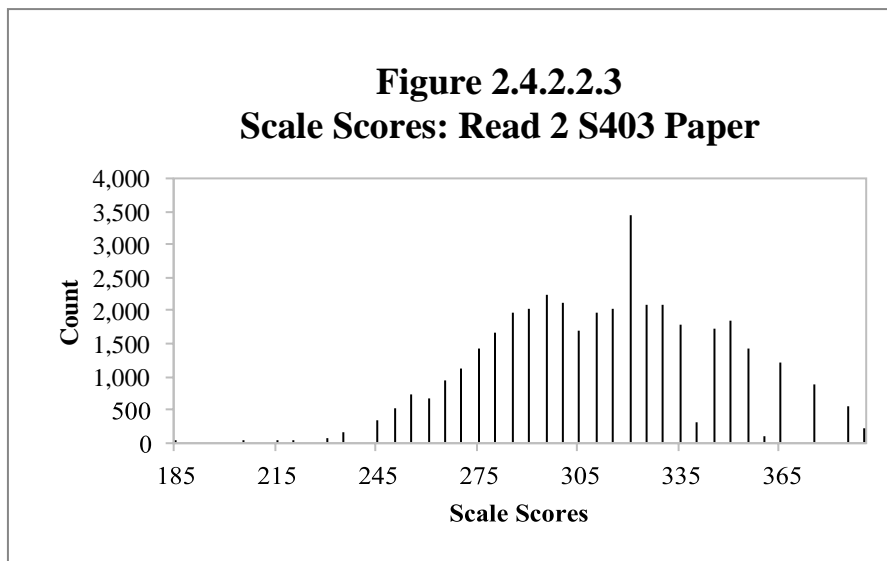
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.2.3

Scale Score Descriptive Statistics: Read 2 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	39,322	187	394	314.10	32.33
Total	39,322	187	394	314.10	32.33

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

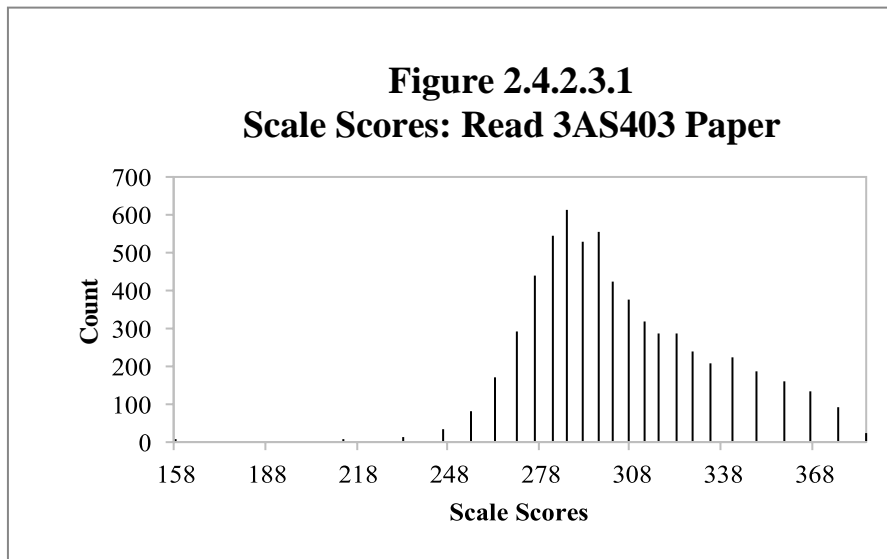
2.4.2.3 Grade 3

Table 2.4.2.3.1

Scale Score Descriptive Statistics: Read 3 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,211	158	385	303.40	27.65
Total	6,211	158	385	303.40	27.65

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



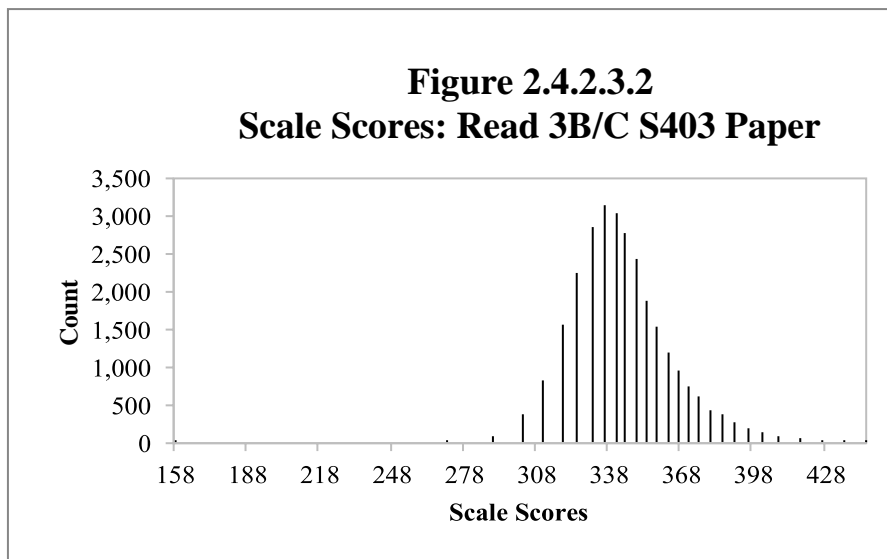
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.3.2

Scale Score Descriptive Statistics: Read 3 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	27,909	158	445	344.59	19.91
Total	27,909	158	445	344.59	19.91

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



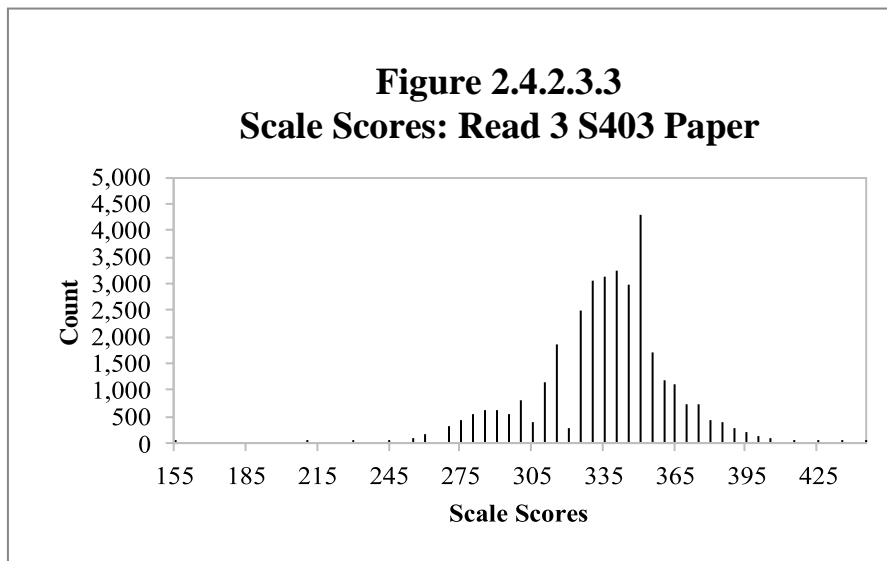
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.3.3

Scale Score Descriptive Statistics: Read 3 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	34,120	158	445	337.09	26.76
Total	34,120	158	445	337.09	26.76

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

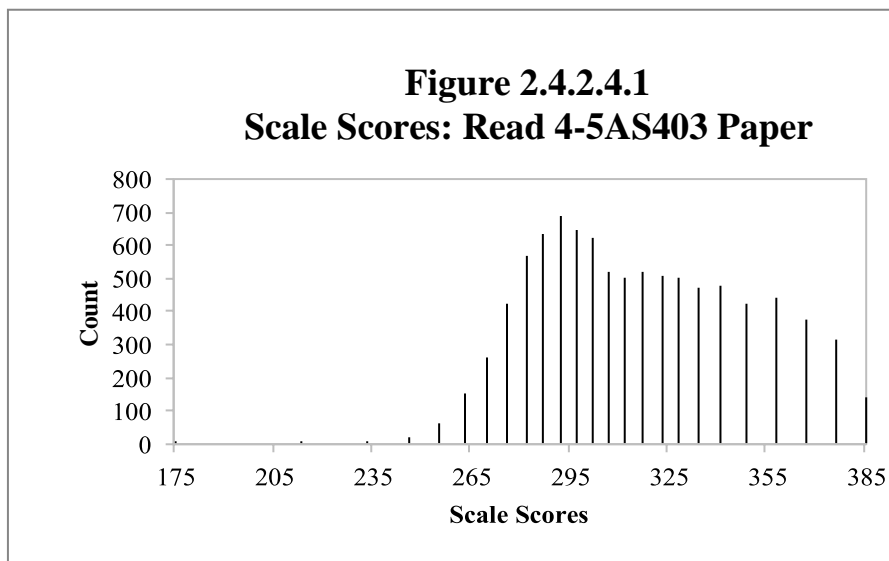
2.4.2.4 Grades 4–5

Table 2.4.2.4.1

Scale Score Descriptive Statistics: Read 4-5 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	4,847	175	385	311.44	29.69
5	4,441	233	385	317.80	31.03
Total	9,288	175	385	314.48	30.50

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



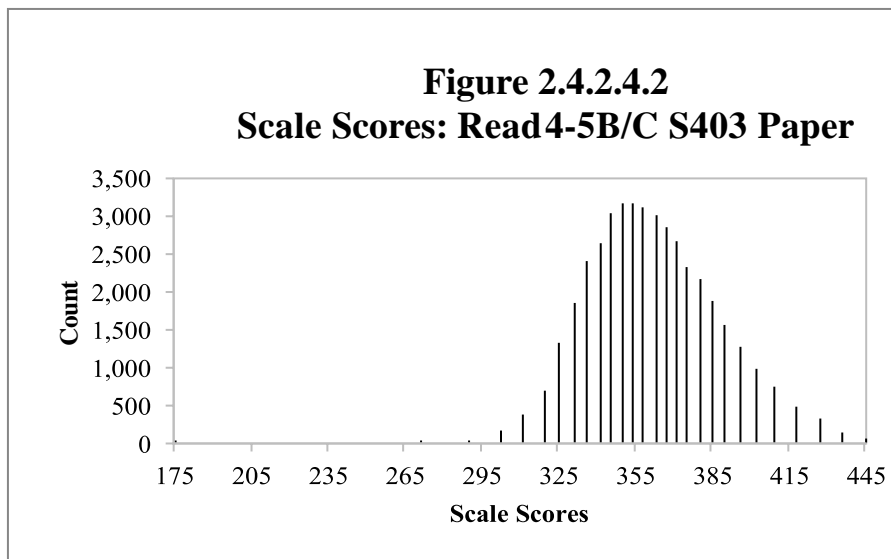
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.4.2

Scale Score Descriptive Statistics: Read 4-5 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	22,491	175	445	356.57	21.93
5	19,951	271	445	366.21	24.23
Total	42,442	175	445	361.10	23.54

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



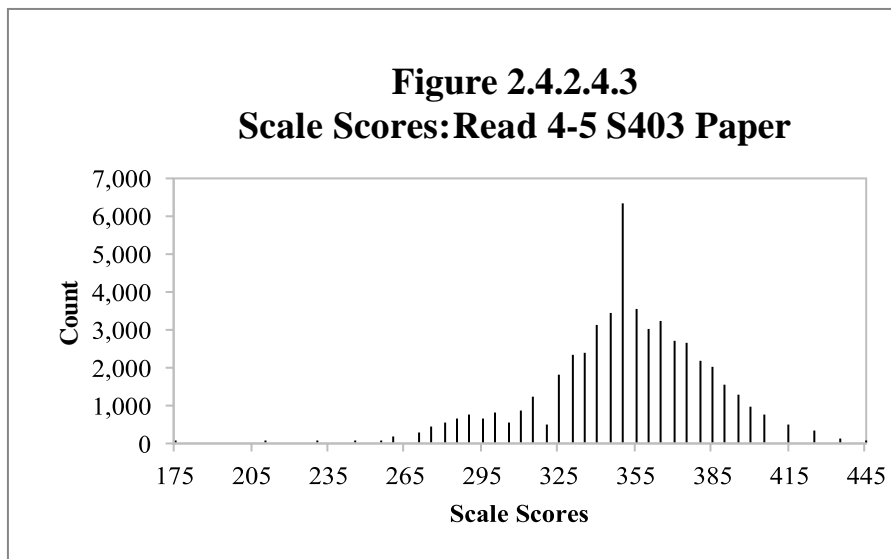
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.4.3

Scale Score Descriptive Statistics: Read 4-5 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	27,338	175	445	348.57	29.14
5	24,392	233	445	357.39	31.70
Total	51,730	175	445	352.73	30.69

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

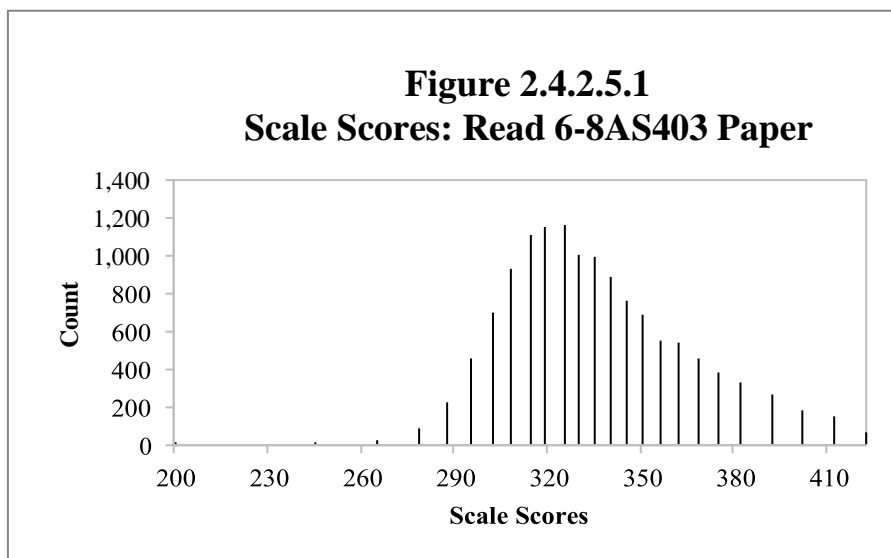
2.4.2.5 Grades 6–8

Table 2.4.2.5.1

Scale Score Descriptive Statistics: Read 6-8 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,377	200	422	331.81	26.47
7	4,380	245	422	334.23	27.55
8	4,366	200	422	338.04	28.20
Total	13,123	200	422	334.69	27.53

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



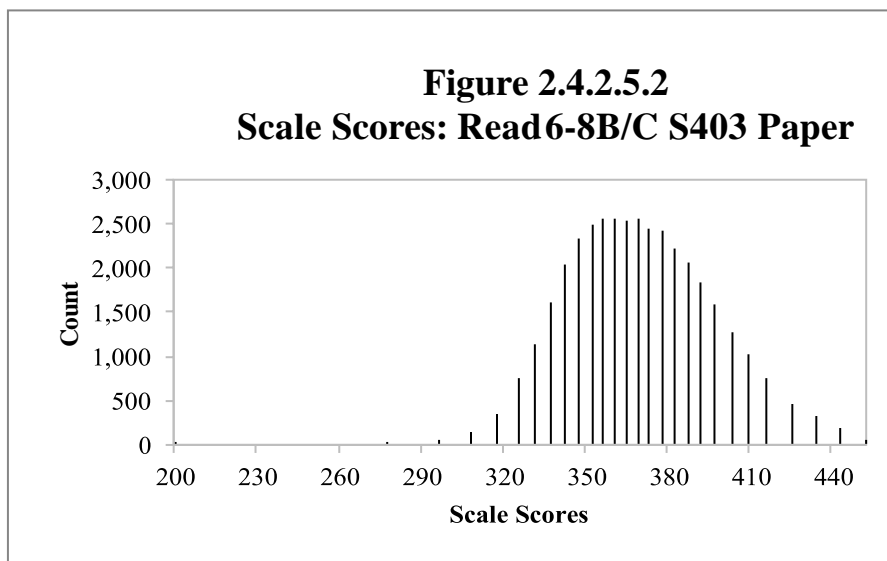
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.5.2

Scale Score Descriptive Statistics: Read 6-8 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,426	277	452	361.43	21.83
7	12,856	200	452	369.40	24.22
8	11,400	277	452	377.04	25.70
Total	37,682	200	452	368.87	24.69

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



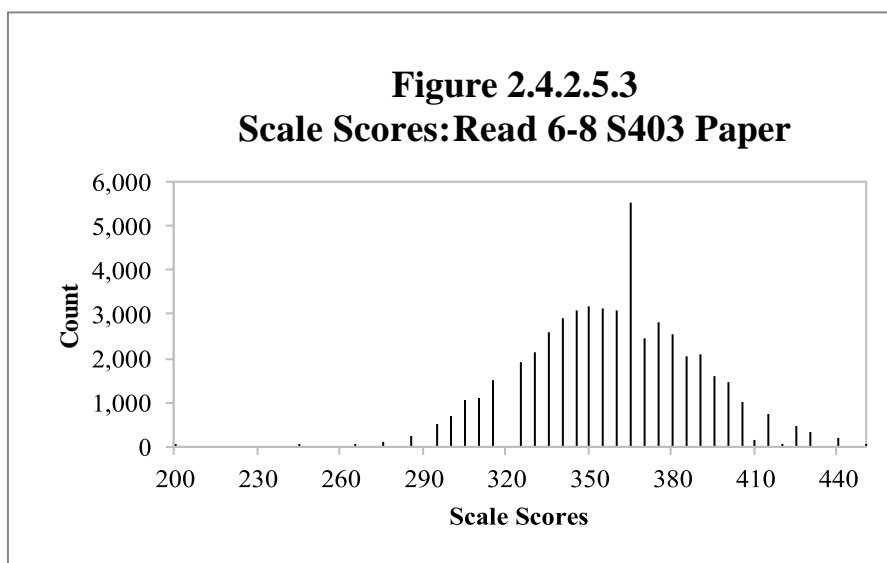
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.5.3

Scale Score Descriptive Statistics: Read 6-8 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	17,803	200	452	354.15	26.35
7	17,236	200	452	360.46	29.41
8	15,766	200	452	366.24	31.66
Total	50,805	200	452	360.04	29.53

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

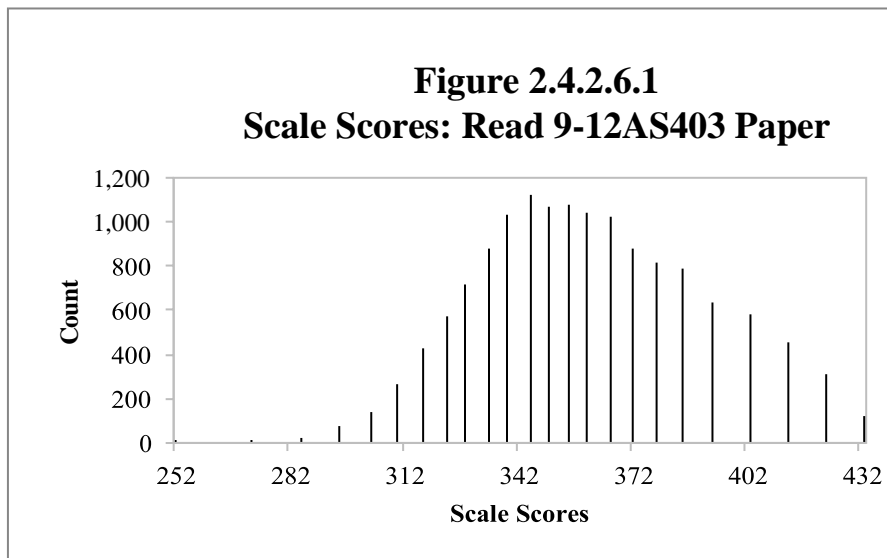
2.4.2.6 Grades 9–12

Table 2.4.2.6.1

Scale Score Descriptive Statistics: Read 9-12 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,087	272	433	353.80	27.47
10	3,918	252	433	359.03	28.12
11	3,292	272	433	361.93	28.58
12	1,747	272	433	365.64	27.41
Total	14,044	252	433	358.64	28.21

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



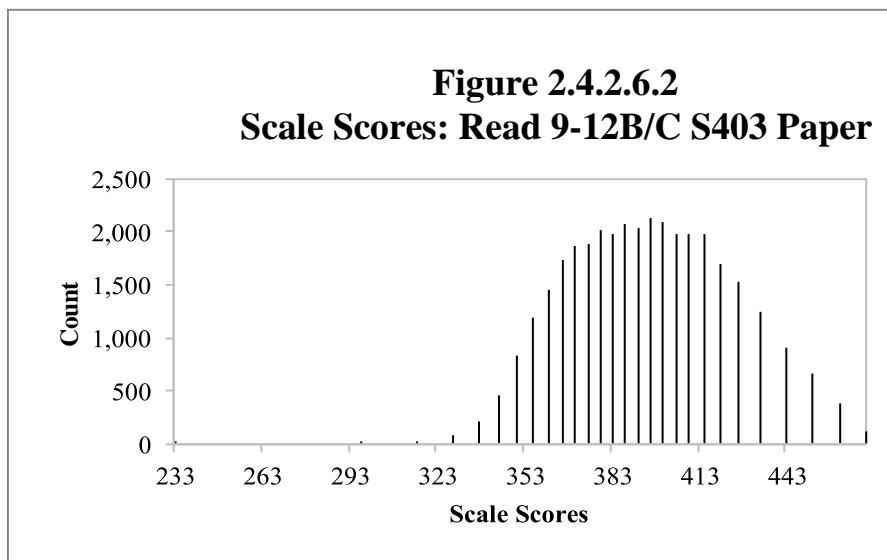
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.6.2

Scale Score Descriptive Statistics: Read 9-12 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	9,771	297	470	390.45	25.26
10	9,689	297	470	394.18	26.35
11	8,859	233	470	398.09	27.78
12	6,308	316	470	392.96	26.33
Total	34,627	233	470	393.90	26.57

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



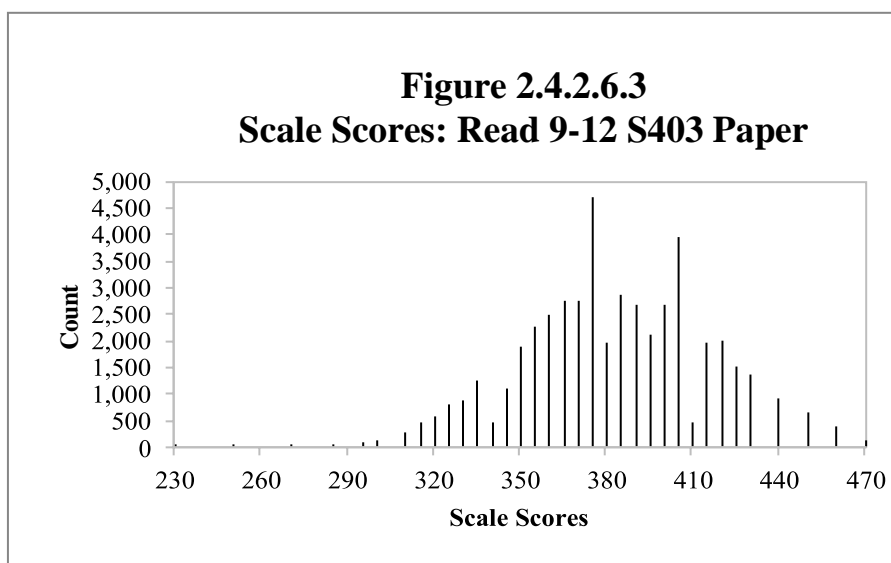
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.2.6.3

Scale Score Descriptive Statistics: Read 9-12 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	14,858	272	470	377.90	31.31
10	13,607	252	470	384.06	31.23
11	12,151	233	470	388.30	32.28
12	8,055	272	470	387.03	28.85
Total	48,671	233	470	383.73	31.42

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

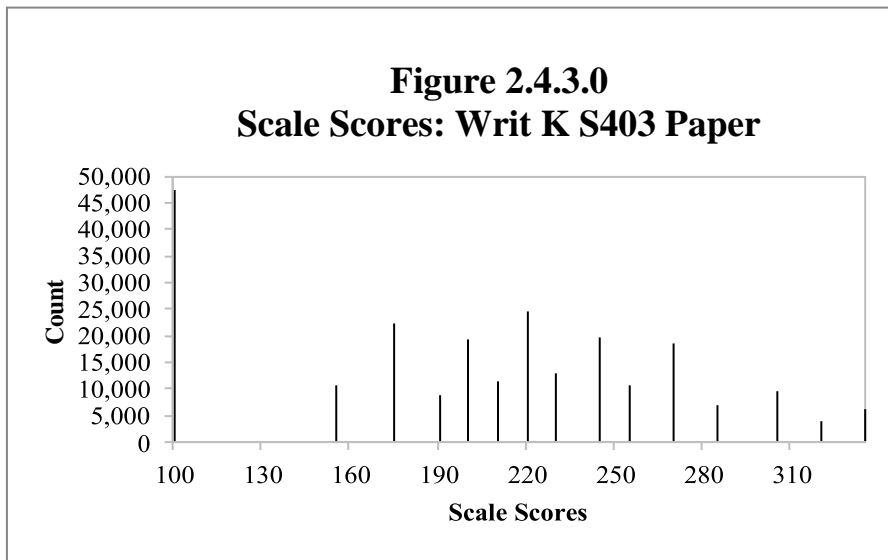
2.4.3 Writing

2.4.3.0 Kindergarten

Table 2.4.3.0

Scale Score Descriptive Statistics: Writ K S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	232,459	100	339	204.69	66.70
Total	232,459	100	339	204.69	66.70



2.4.3.1 Grade 1

Table 2.4.3.1.1

Scale Score Descriptive Statistics: Writ 1 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	24,698	111	328	239.58	33.96
Total	24,698	111	328	239.58	33.96

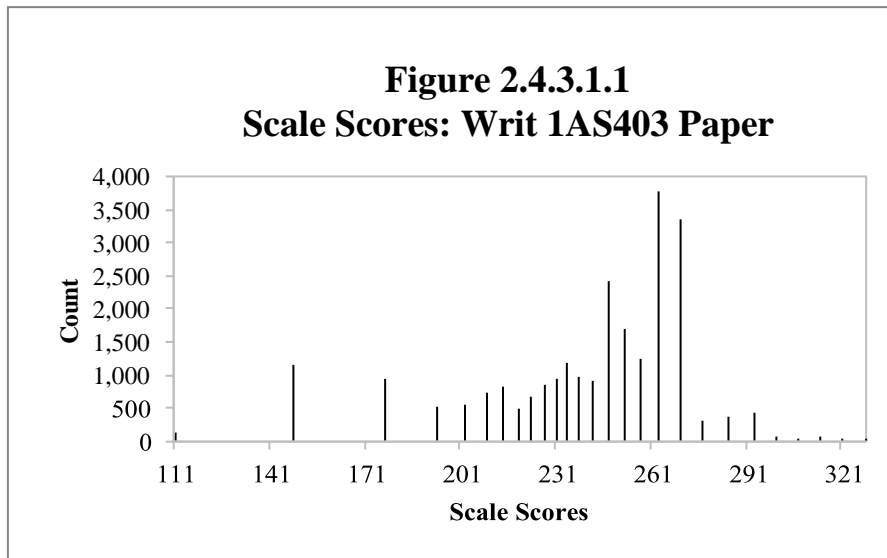


Table 2.4.3.1.2

Scale Score Descriptive Statistics: Writ 1 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	24,207	111	420	278.00	39.64
Total	24,207	111	420	278.00	39.64

Figure 2.4.3.1.2
Scale Scores: Writ 1B/C S403 Paper

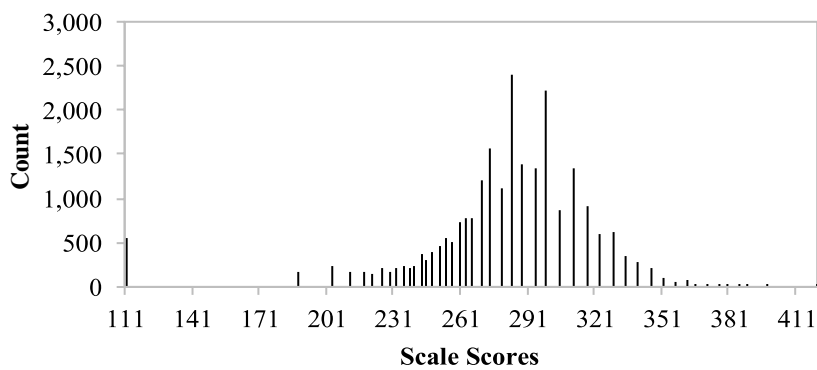
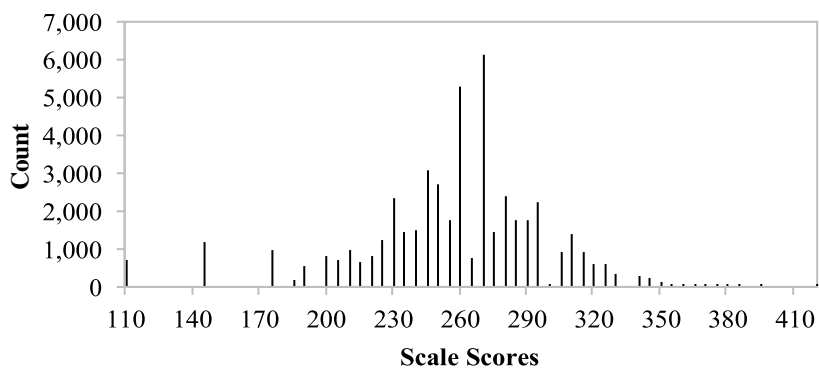


Table 2.4.3.1.3

Scale Score Descriptive Statistics: Writ 1 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	48,905	111	420	258.60	41.58
Total	48,905	111	420	258.60	41.58

Figure 2.4.3.1.3
Scale Scores: Writ 1 S403 Paper



2.4.3.2 Grade 2

Table 2.4.3.2.1

Scale Score Descriptive Statistics: Writ 2 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,160	133	358	248.30	43.76
Total	10,160	133	358	248.30	43.76

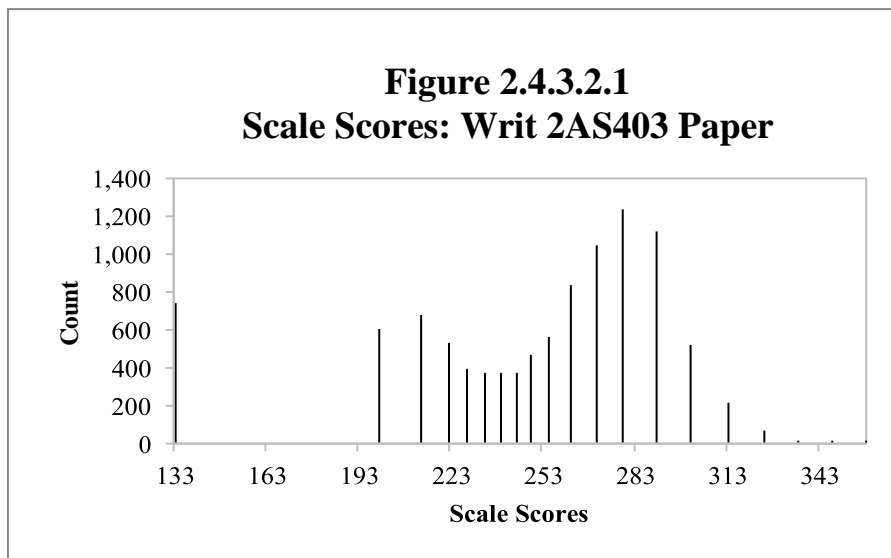


Table 2.4.3.2.2

Scale Score Descriptive Statistics: Writ 2 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	34,911	133	399	297.37	31.74
Total	34,911	133	399	297.37	31.74

Figure 2.4.3.2.2
Scale Scores: Writ 2B/C S403 Paper

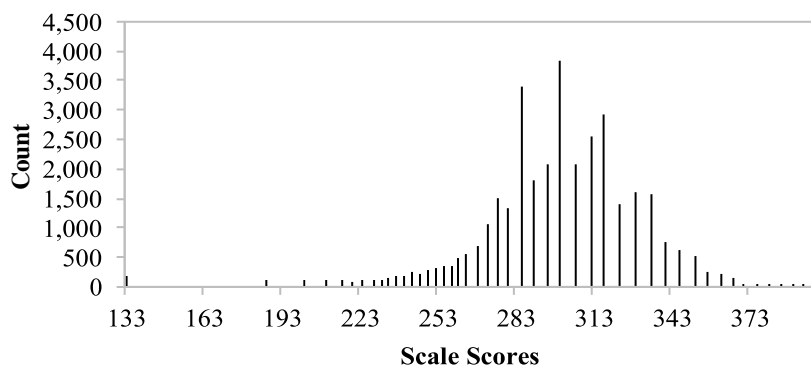
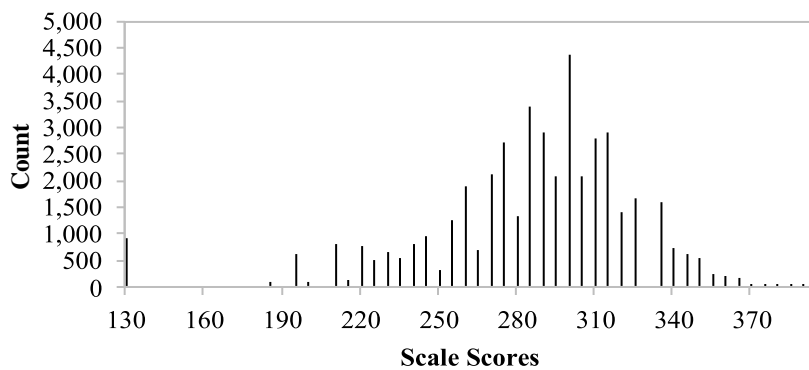


Table 2.4.3.2.3

Scale Score Descriptive Statistics: Writ 2 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	45,071	133	399	286.31	40.40
Total	45,071	133	399	286.31	40.40

Figure 2.4.3.2.3
Scale Scores: Writ 2 S403 Paper



2.4.3.3 Grade 3

Table 2.4.3.3.1

Scale Score Descriptive Statistics: Writ 3 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,985	133	347	256.68	42.78
Total	6,985	133	347	256.68	42.78

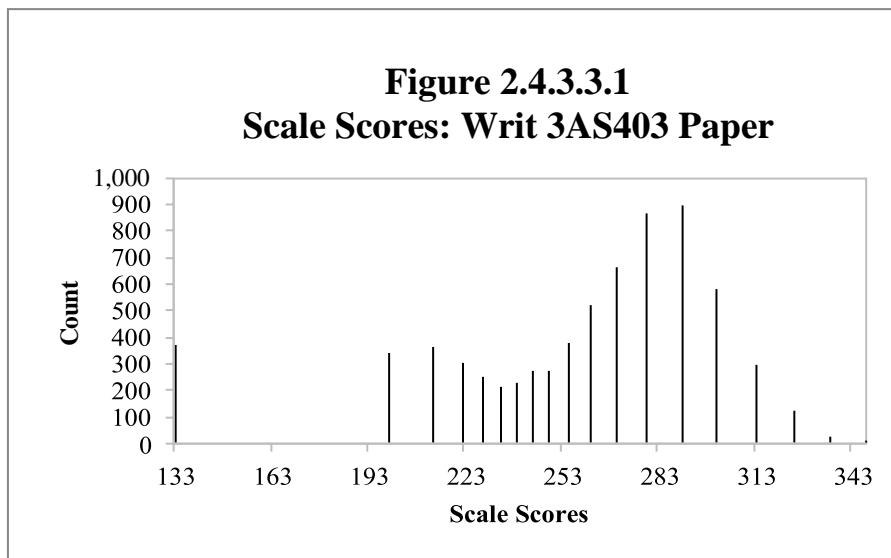


Table 2.4.3.3.2

Scale Score Descriptive Statistics: Writ 3 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	32,024	133	459	314.81	30.06
Total	32,024	133	459	314.81	30.06

Figure 2.4.3.3.2
Scale Scores: Writ 3B/C S403 Paper

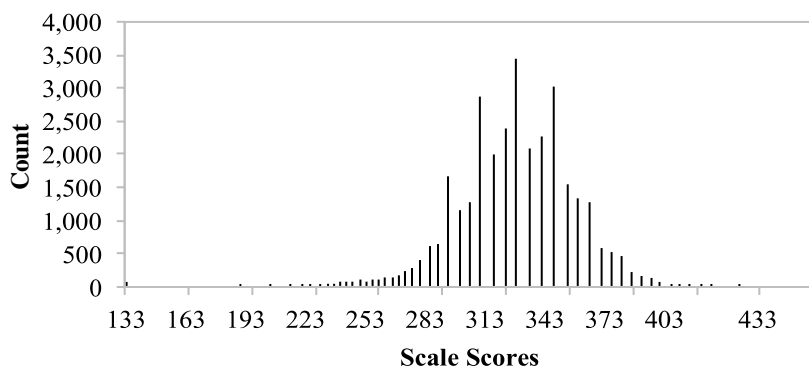
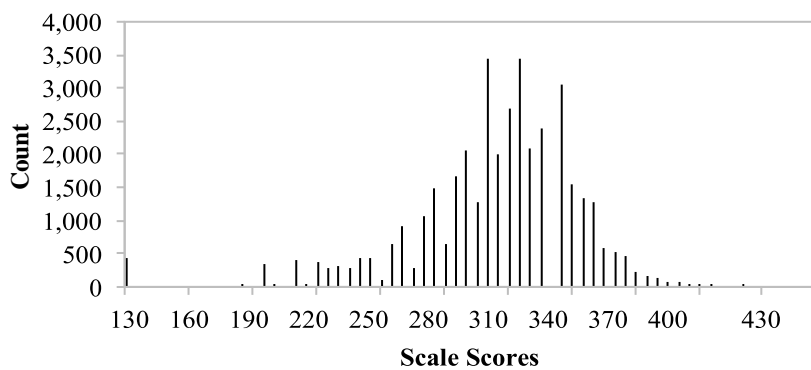


Table 2.4.3.3.3

Scale Score Descriptive Statistics: Writ 3 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,009	133	459	304.40	39.58
Total	39,009	133	459	304.40	39.58

Figure 2.4.3.3.3
Scale Scores: Writ 3 S403 Paper



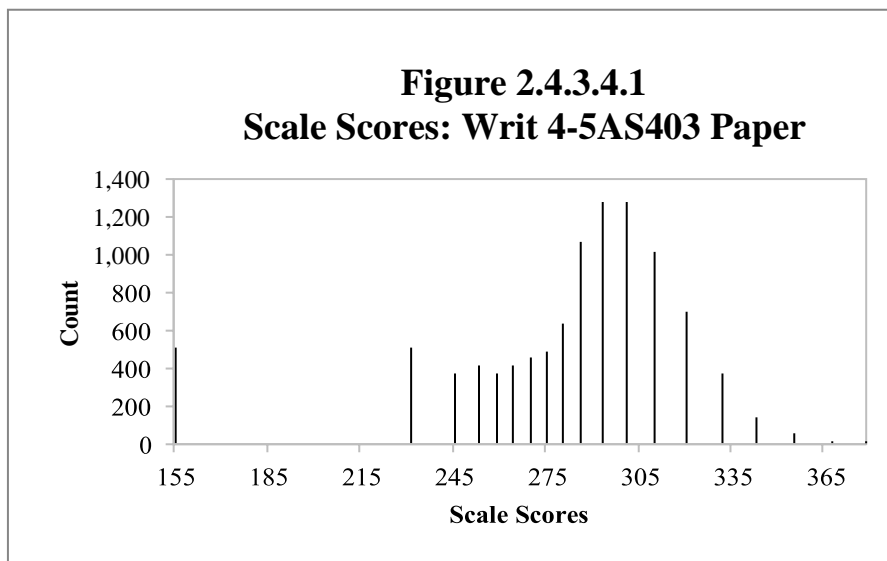
2.4.3.4 Grades 4–5

Table 2.4.3.4.1

Scale Score Descriptive Statistics: Writ 4-5 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,331	155	378	277.65	39.95
5	4,765	155	378	284.65	36.89
Total	10,096	155	378	280.95	38.69

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



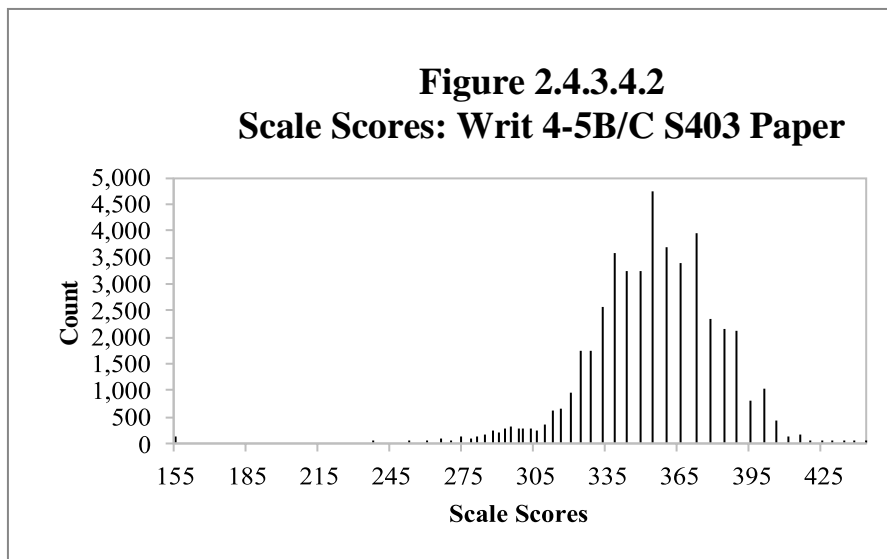
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.3.4.2

Scale Score Descriptive Statistics: Writ 4-5 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	24,854	155	434	346.20	28.47
5	21,843	155	443	357.81	28.60
Total	46,697	155	443	351.63	29.11

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



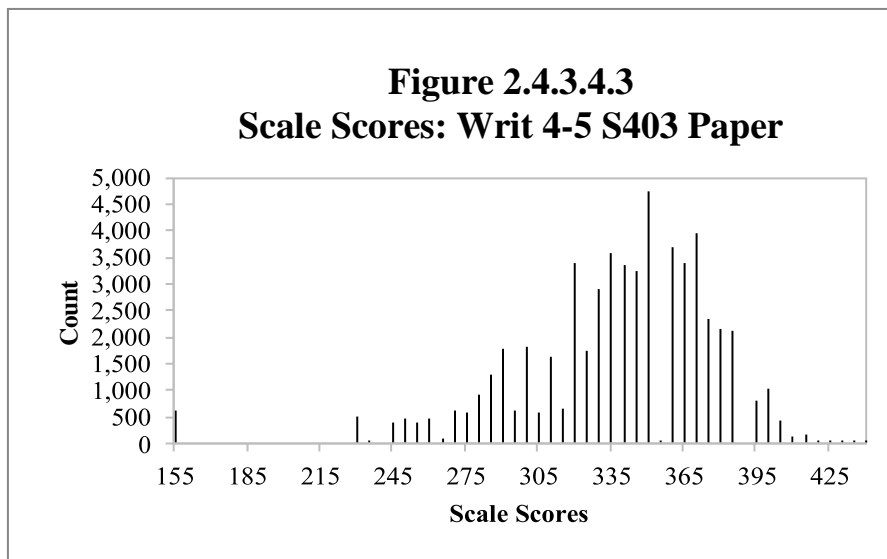
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.3.4.3

Scale Score Descriptive Statistics: Writ 4-5 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	30,185	155	434	334.09	40.40
5	26,608	155	443	344.71	41.26
Total	56,793	155	443	339.06	41.15

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

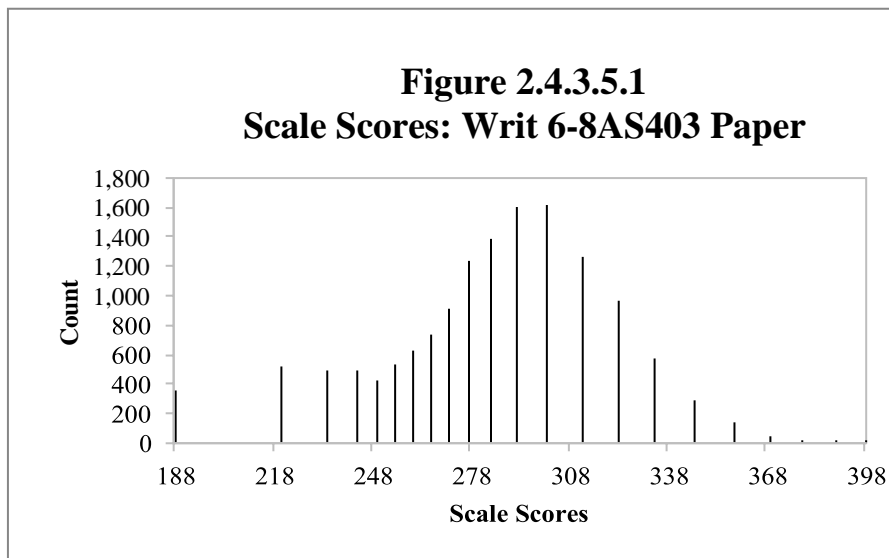
2.4.3.5 Grades 6–8

Table 2.4.3.5.1

Scale Score Descriptive Statistics: Writ 6-8 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,746	188	389	280.02	34.31
7	4,760	188	398	282.47	33.90
8	4,731	188	398	286.33	32.73
Total	14,237	188	398	282.93	33.75

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



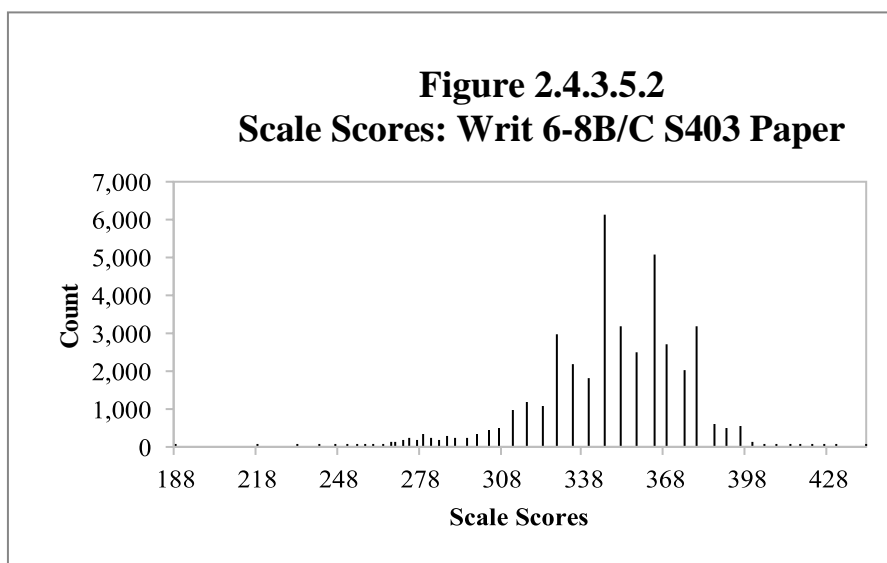
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.3.5.2

Scale Score Descriptive Statistics: Writ 6-8 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	14,850	188	427	340.87	29.61
7	13,961	188	442	347.03	29.82
8	12,300	188	442	352.26	28.75
Total	41,111	188	442	346.37	29.79

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



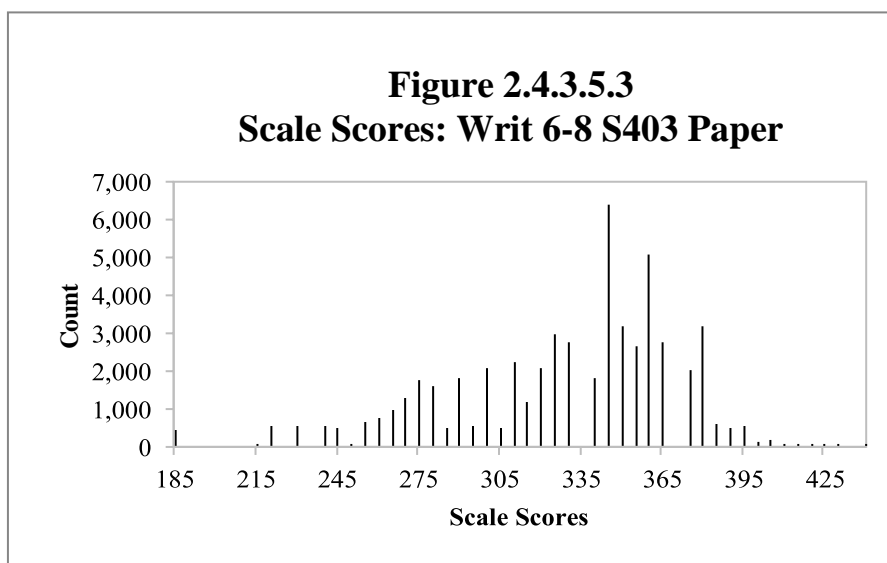
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.3.5.3

Scale Score Descriptive Statistics: Writ 6-8 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	19,596	188	427	326.13	40.36
7	18,721	188	442	330.61	41.78
8	17,031	188	442	333.94	42.03
Total	55,348	188	442	330.05	41.48

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

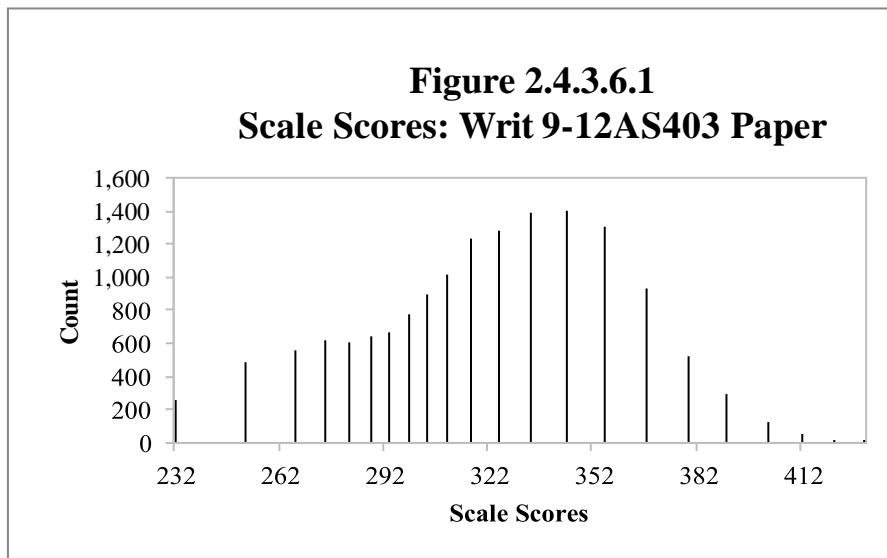
2.4.3.6 Grades 9–12

Table 2.4.3.6.1

Scale Score Descriptive Statistics: Writ 9-12 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,492	232	430	312.95	36.70
10	4,202	232	430	319.39	34.59
11	3,472	232	430	325.39	34.61
12	1,861	232	430	330.09	32.49
Total	15,027	232	430	319.75	35.66

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



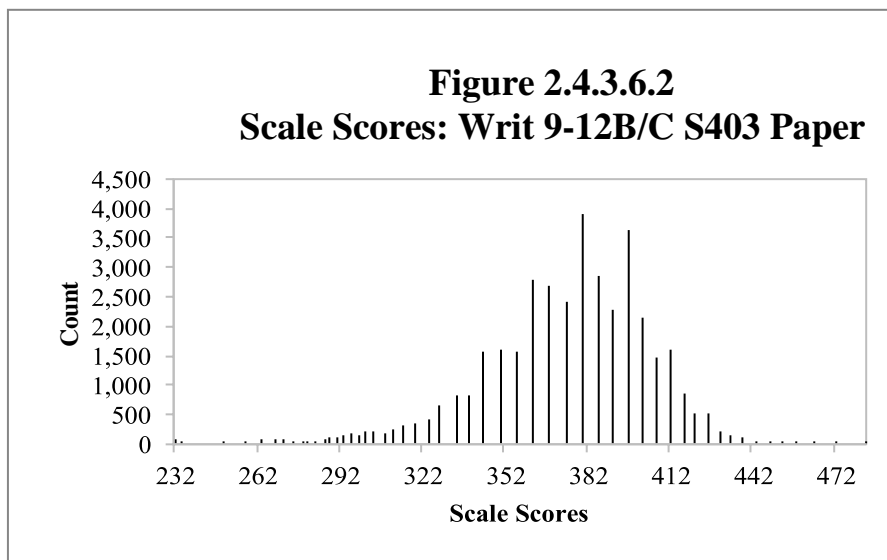
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.3.6.2

Scale Score Descriptive Statistics: Writ 9-12 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	11,077	232	483	370.36	32.10
10	10,869	232	464	372.69	33.11
11	9,855	232	472	376.87	32.86
12	6,890	232	464	372.73	34.41
Total	38,691	232	483	373.09	33.08

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



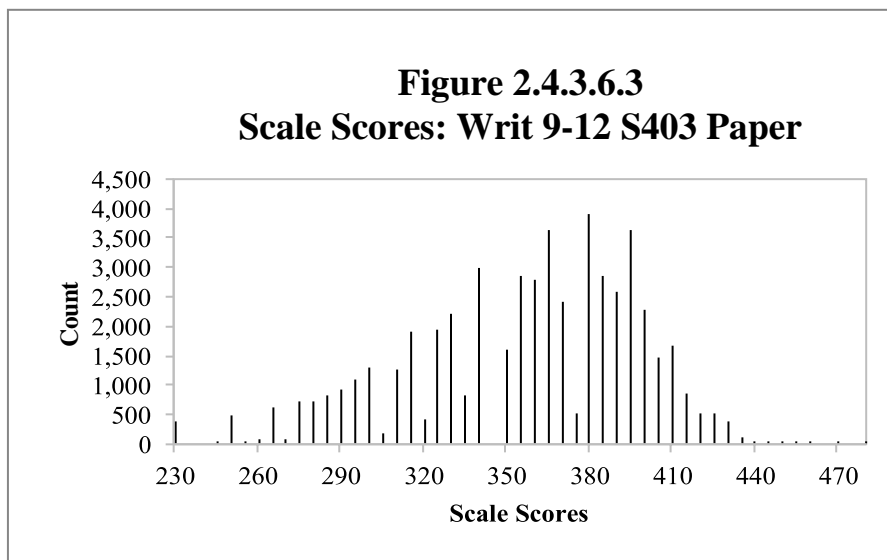
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.3.6.3

Scale Score Descriptive Statistics: Writ 9-12 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	16,569	232	483	351.33	43.19
10	15,071	232	464	357.83	41.17
11	13,327	232	472	363.46	40.26
12	8,751	232	464	363.66	38.23
Total	53,718	232	483	358.17	41.44

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

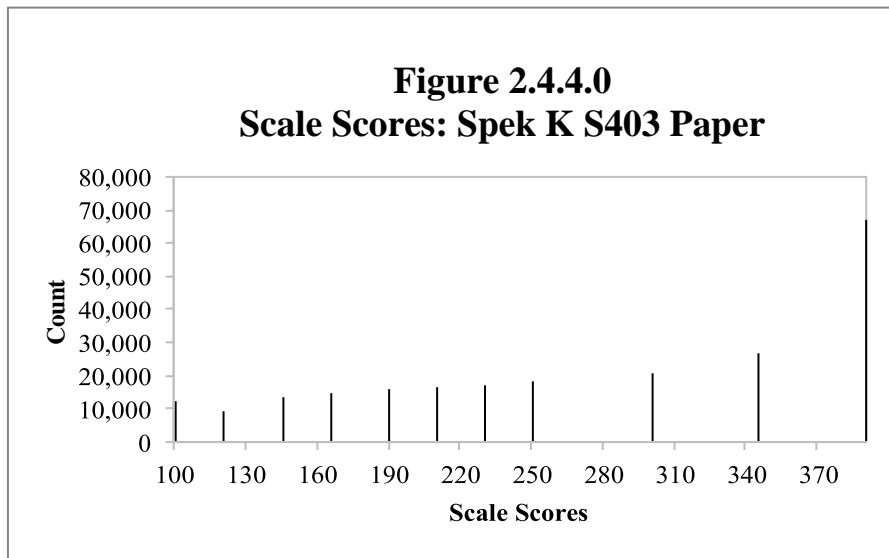
2.4.4 Speaking

2.4.4.0 Kindergarten

Table 2.4.4.0

Scale Score Descriptive Statistics: Spek K S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	232,464	100	392	274.19	99.39
Total	232,464	100	392	274.19	99.39



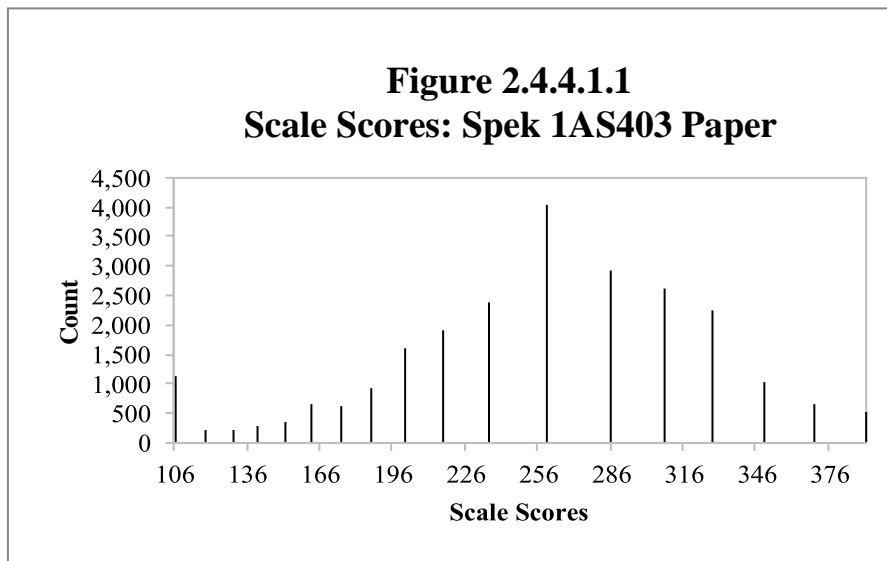
2.4.4.1 Grade 1

Table 2.4.4.1.1

Scale Score Descriptive Statistics: Spek 1 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	24,305	106	391	254.04	67.77
Total	24,305	106	391	254.04	67.77

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



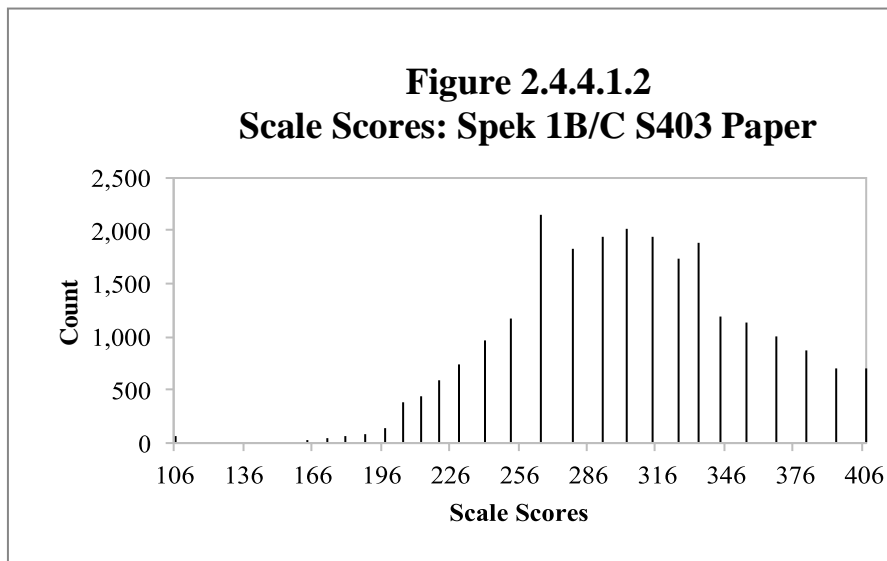
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.1.2

Scale Score Descriptive Statistics: Spek 1 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	23,785	106	407	302.86	52.12
Total	23,785	106	407	302.86	52.12

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



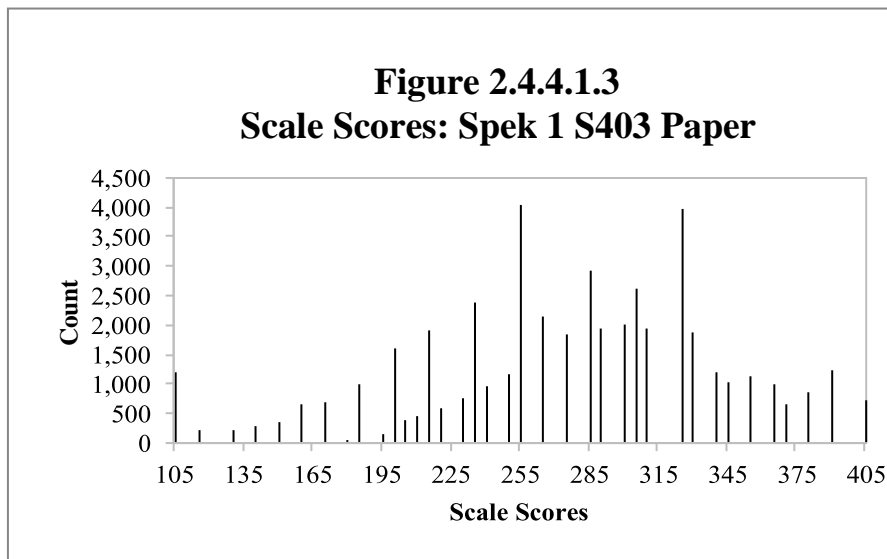
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.1.3

Scale Score Descriptive Statistics: Spek 1 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	48,090	106	407	278.19	65.27
Total	48,090	106	407	278.19	65.27

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

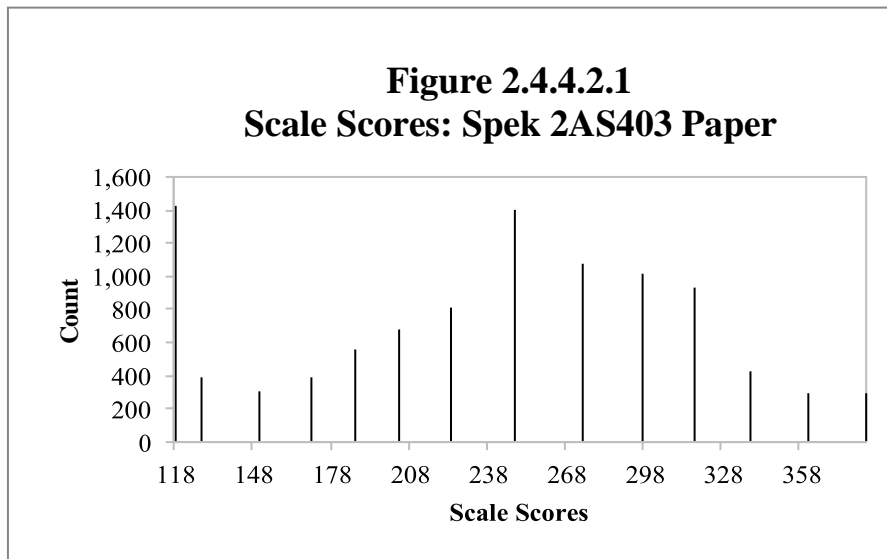
2.4.4.2 Grade 2

Table 2.4.4.2.1

Scale Score Descriptive Statistics: Spek 2 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	9,985	118	383	235.59	75.92
Total	9,985	118	383	235.59	75.92

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



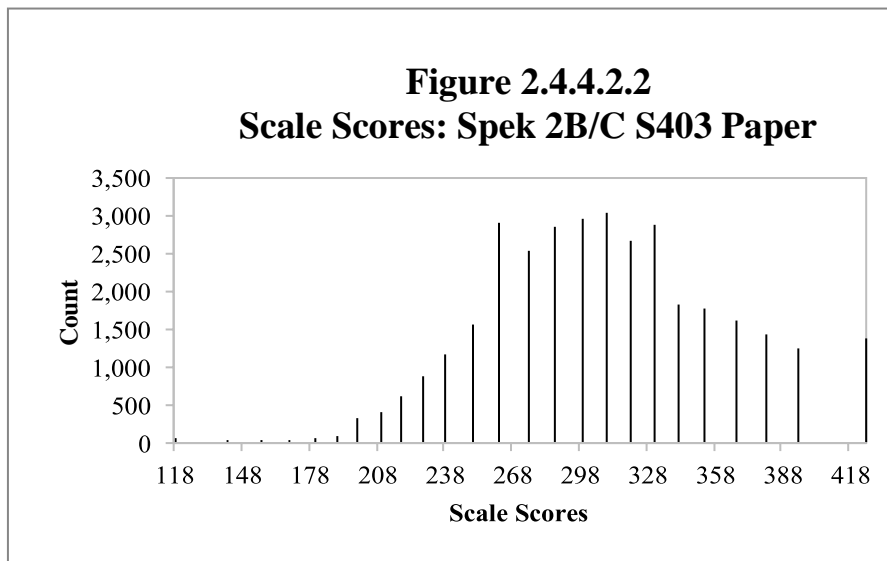
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.2.2

Scale Score Descriptive Statistics: Spek 2 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	34,331	118	425	307.89	52.62
Total	34,331	118	425	307.89	52.62

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



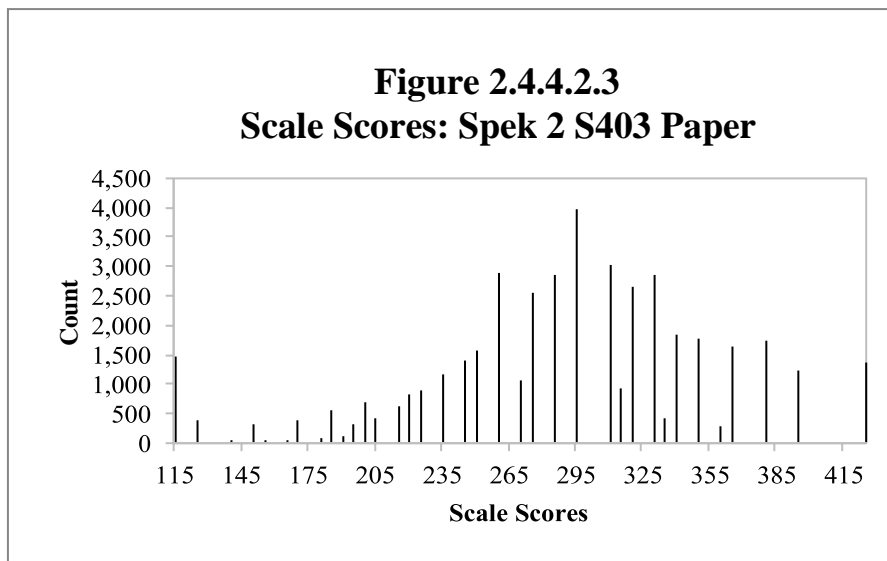
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.2.3

Scale Score Descriptive Statistics: Spek 2 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	44,316	118	425	291.60	66.00
Total	44,316	118	425	291.60	66.00

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

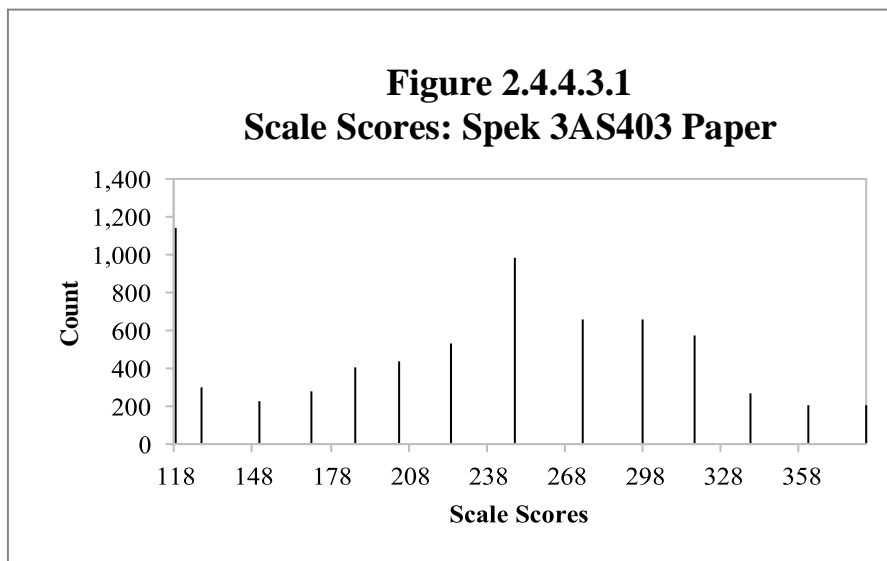
2.4.4.3 Grade 3

Table 2.4.4.3.1

Scale Score Descriptive Statistics: Spek 3 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,859	118	383	230.49	77.61
Total	6,859	118	383	230.49	77.61

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



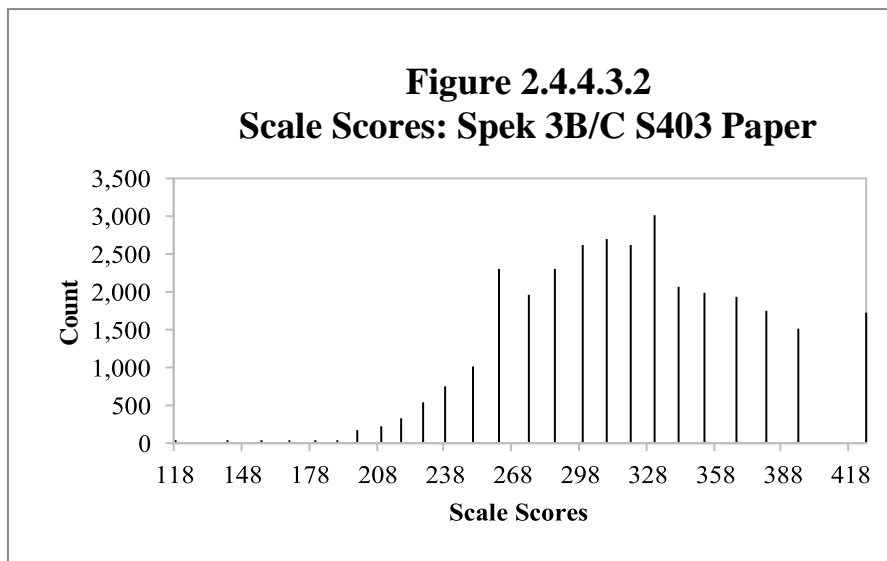
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.3.2

Scale Score Descriptive Statistics: Spek 3 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	31,554	118	425	319.19	51.56
Total	31,554	118	425	319.19	51.56

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



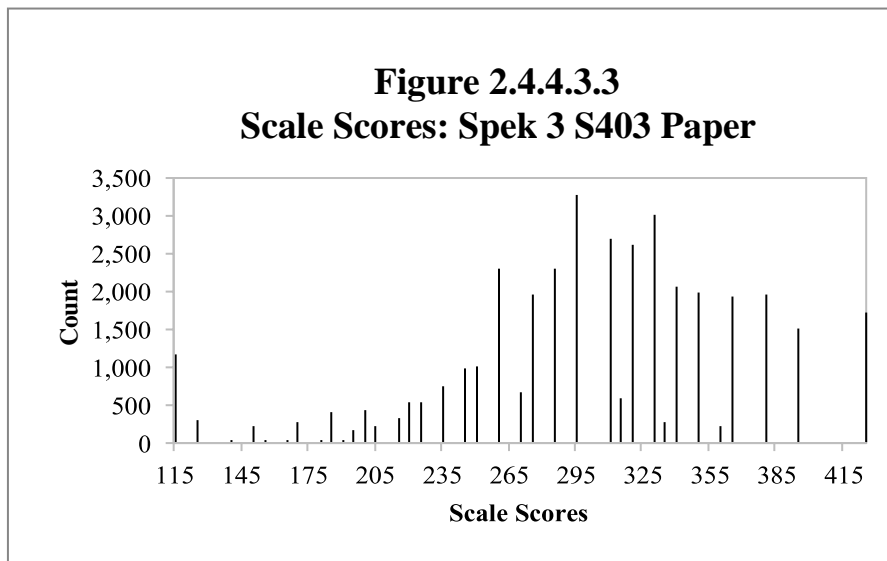
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.3.3

Scale Score Descriptive Statistics: Spek 3 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	38,413	118	425	303.35	66.43
Total	38,413	118	425	303.35	66.43

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

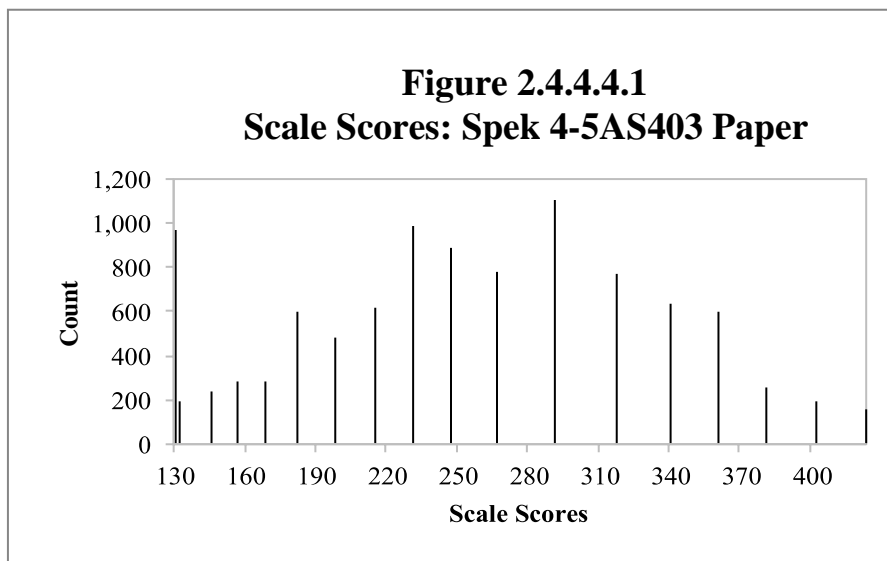
2.4.4.4 Grades 4–5

Table 2.4.4.4.1

Scale Score Descriptive Statistics: Spek 4-5 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,294	130	423	246.99	77.58
5	4,743	130	423	253.39	77.64
Total	10,037	130	423	250.01	77.67

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



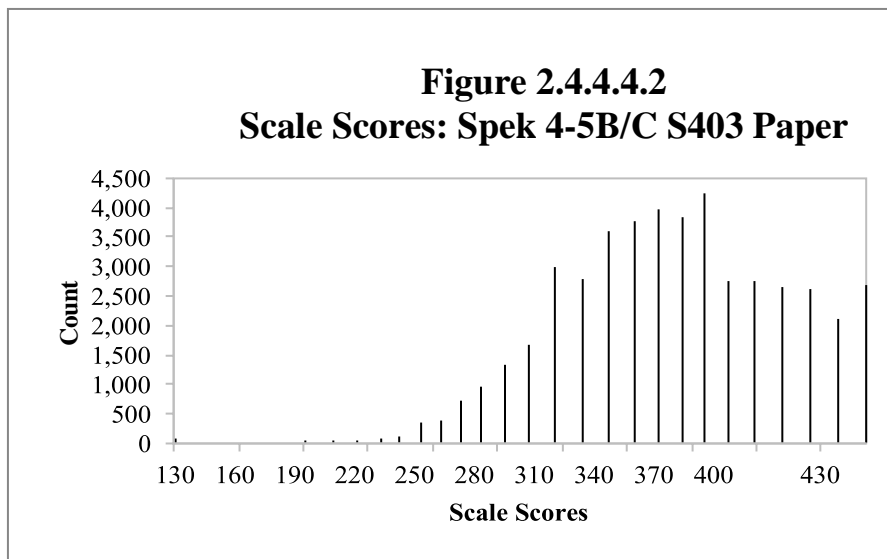
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.4.2

Scale Score Descriptive Statistics: Spek 4-5 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	24,782	130	450	356.12	51.72
5	21,791	130	450	364.05	51.29
Total	46,573	130	450	359.83	51.67

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



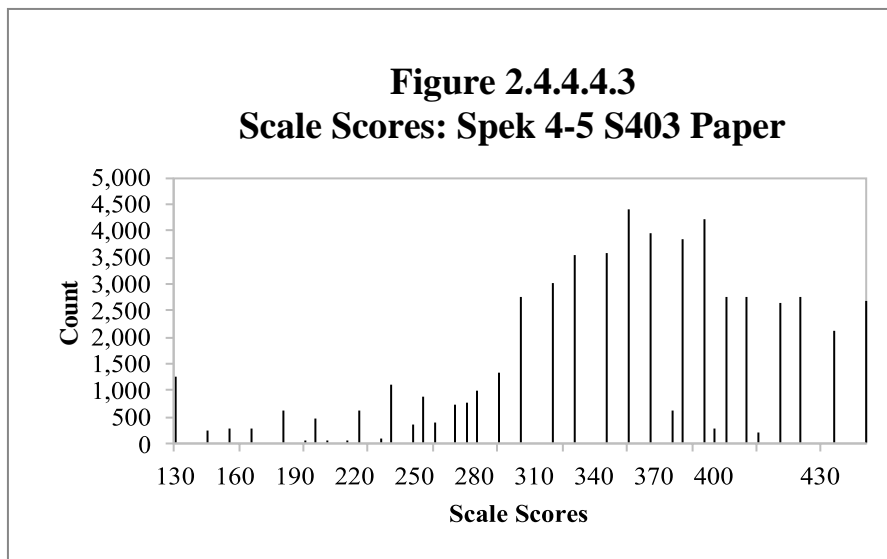
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.4.3

Scale Score Descriptive Statistics: Spek 4-5 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	30,076	130	450	336.91	70.64
5	26,534	130	450	344.27	70.96
Total	56,610	130	450	340.36	70.89

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

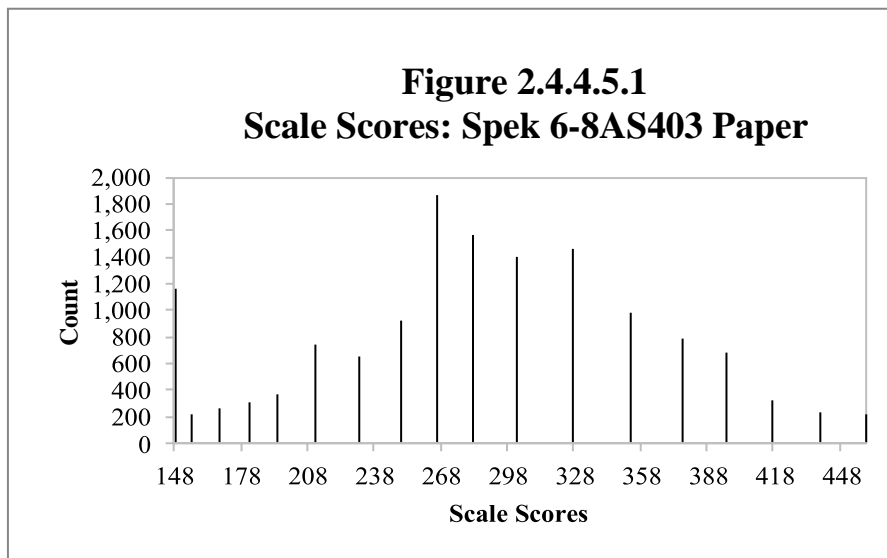
2.4.4.5 Grades 6–8

Table 2.4.4.5.1

Scale Score Descriptive Statistics: Spek 6-8 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,716	148	459	280.87	77.29
7	4,731	148	459	282.58	76.91
8	4,702	148	459	285.29	75.74
Total	14,149	148	459	282.91	76.67

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



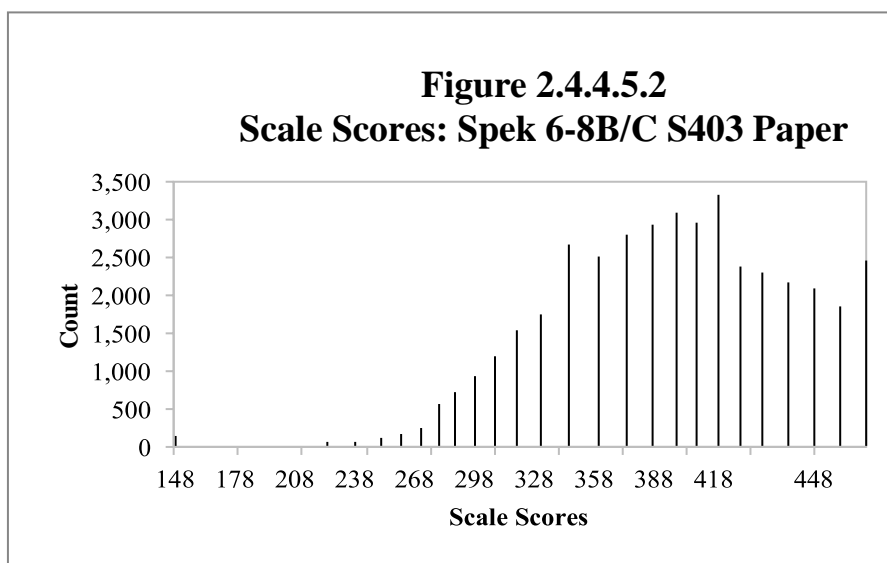
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.5.2

Scale Score Descriptive Statistics: Spek 6-8 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	14,787	148	471	374.49	55.33
7	13,918	148	471	379.46	56.01
8	12,248	148	471	384.57	57.76
Total	40,953	148	471	379.19	56.45

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



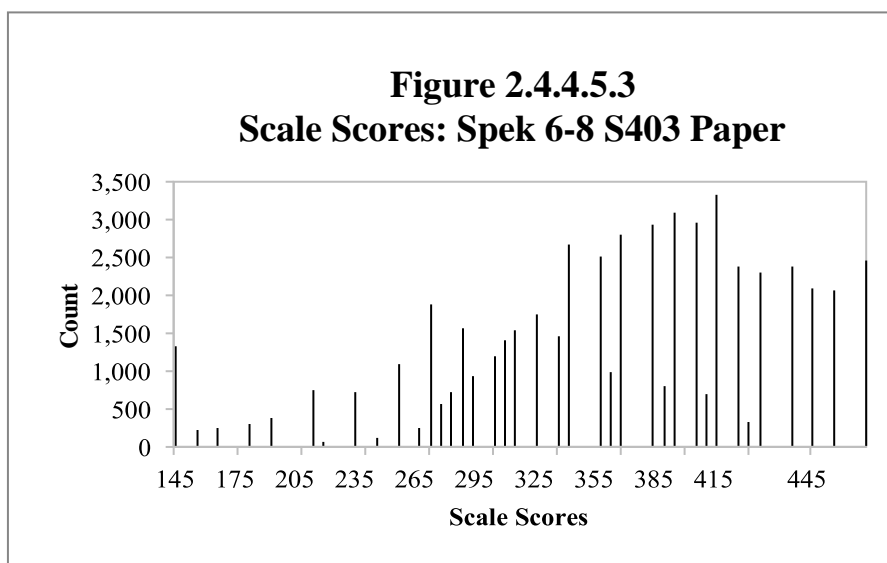
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.5.3

Scale Score Descriptive Statistics: Spek 6-8 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	19,503	148	471	351.85	73.30
7	18,649	148	471	354.89	74.96
8	16,950	148	471	357.03	77.32
Total	55,102	148	471	354.47	75.14

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

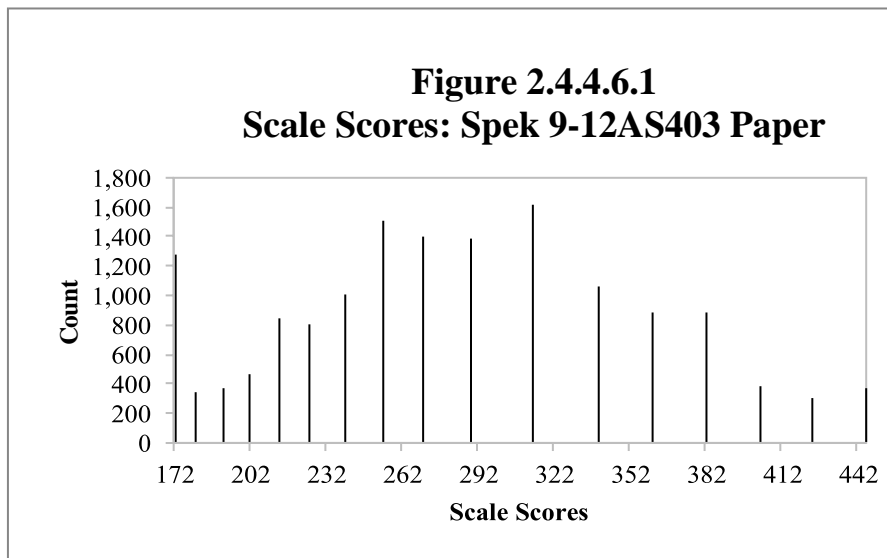
2.4.4.6 Grades 9–12

Table 2.4.4.6.1

Scale Score Descriptive Statistics: Spek 9-12 A S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,448	172	445	271.22	72.38
10	4,180	172	445	280.42	70.79
11	3,436	172	445	284.48	70.16
12	1,844	172	445	299.05	67.79
Total	14,908	172	445	280.30	71.41

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



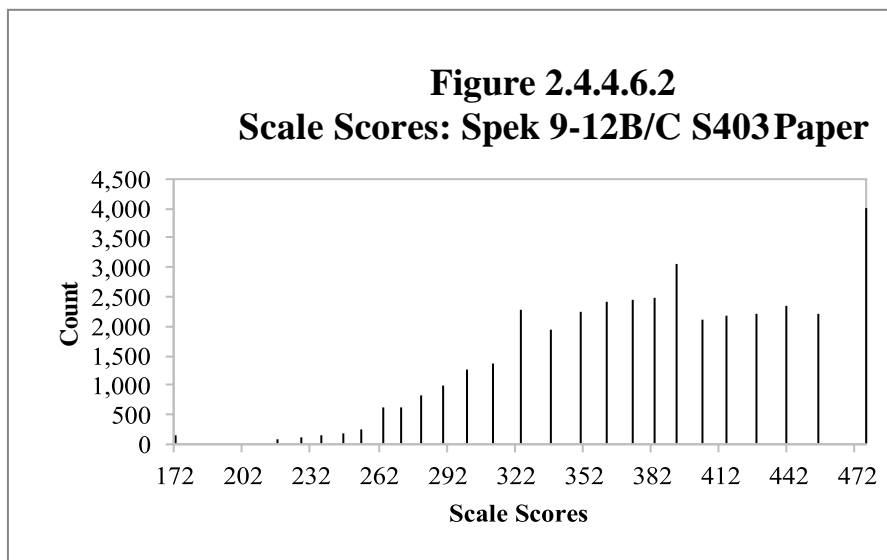
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.6.2

Scale Score Descriptive Statistics: Spek 9-12 B/C S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	11,030	172	476	380.09	60.65
10	10,812	172	476	378.80	63.15
11	9,809	172	476	381.78	62.25
12	6,851	172	476	378.49	62.14
Total	38,502	172	476	379.87	62.04

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



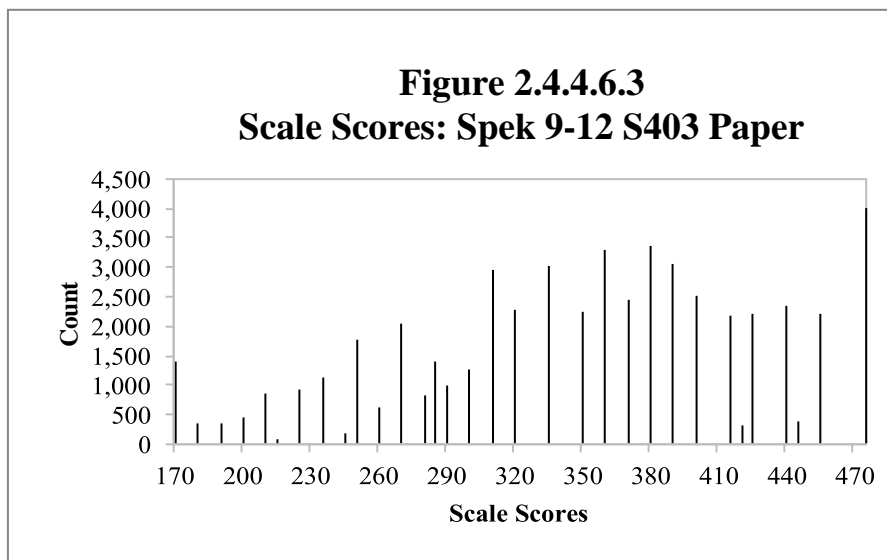
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.4.4.6.3

Scale Score Descriptive Statistics: Spek 9-12 S403 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	16,478	172	476	344.09	82.57
10	14,992	172	476	351.37	78.86
11	13,245	172	476	356.54	77.24
12	8,695	172	476	361.64	71.21
Total	53,410	172	476	352.08	78.70

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

2.5 Proficiency Level Distribution

The figures and tables in this section provide information on the proficiency level distribution of the students who took the test form based on their performance. Proficiency level distribution is presented by grade-level cluster and tier, and then by grade-level cluster, combining tiers. In the figure, the horizontal axis shows the six WIDA proficiency levels. The vertical axis shows the percentage of students. Each bar shows the percentage of students who were placed into each proficiency level in the domain being tested on this test form.

In the tables presented in this section, each row shows, by grade and by total for the grade-level cluster:

- The WIDA proficiency level designation (1–6)
- The number of students (count) whose performance on the test form placed them into that proficiency level in the domain being tested
- The percentage of students, out of the total number of students taking the form, who were placed into that proficiency level in the domain being tested

Note that for Kindergarten and Tier A tests in some domains, it was not possible to place into all proficiency levels.

In the tables and figures in this section, proficiency levels computed using mode-adjusted scoring tables are excluded from the analysis.

2.5.1 Listening

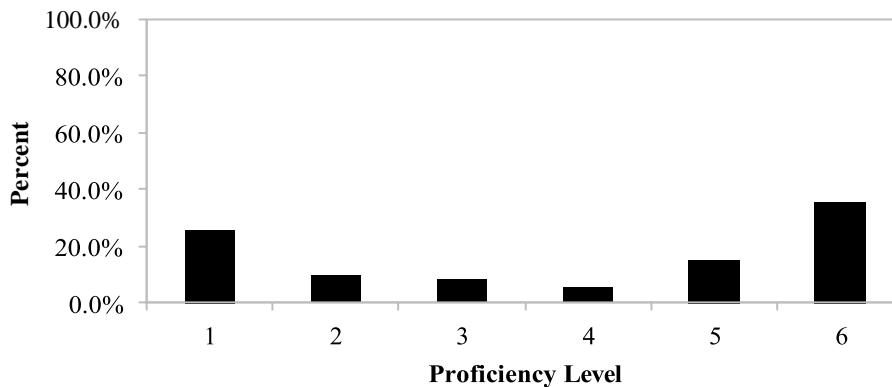
2.5.1.0 Kindergarten

Table 2.5.1.0

Proficiency Level Distribution: List K S403 Paper

Level	Grade K		Total	
	Count	Percent	Count	Percent
1	59,568	25.62%	59,568	25.62%
2	22,133	9.52%	22,133	9.52%
3	19,724	8.48%	19,724	8.48%
4	13,512	5.81%	13,512	5.81%
5	34,871	15.00%	34,871	15.00%
6	82,659	35.56%	82,659	35.56%
Total	232,467	100.00%	232,467	100.00%

Figure 2.5.1.0
Proficiency Level: List K S403 Paper



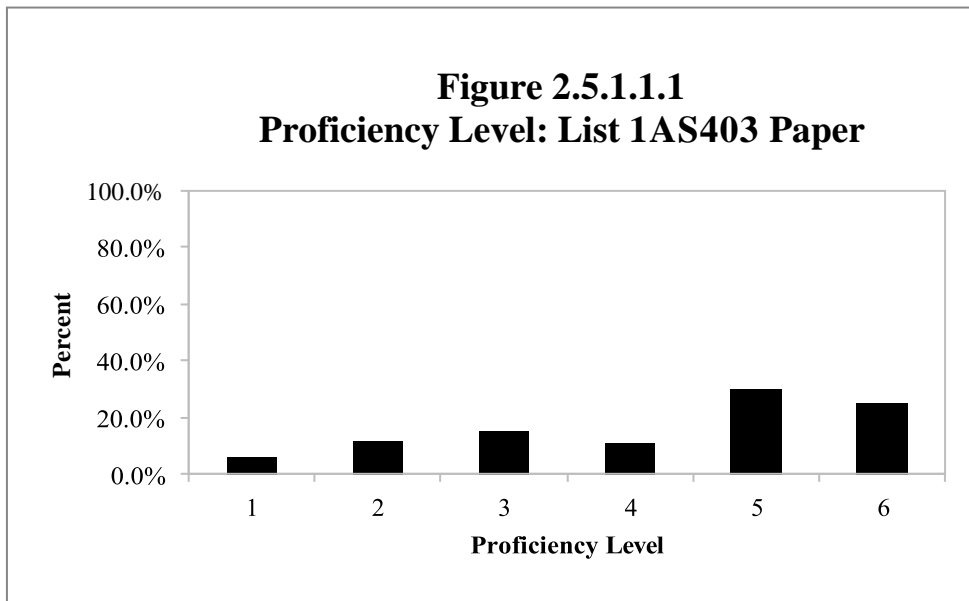
2.5.1.1 Grade 1

Table 2.5.1.1.1

Proficiency Level Distribution: List 1 A S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	1,324	6.25%	1,324	6.25%
2	2,454	11.59%	2,454	11.59%
3	3,178	15.01%	3,178	15.01%
4	2,374	11.21%	2,374	11.21%
5	6,443	30.43%	6,443	30.43%
6	5,397	25.49%	5,397	25.49%
Total	21,170	100.00%	21,170	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



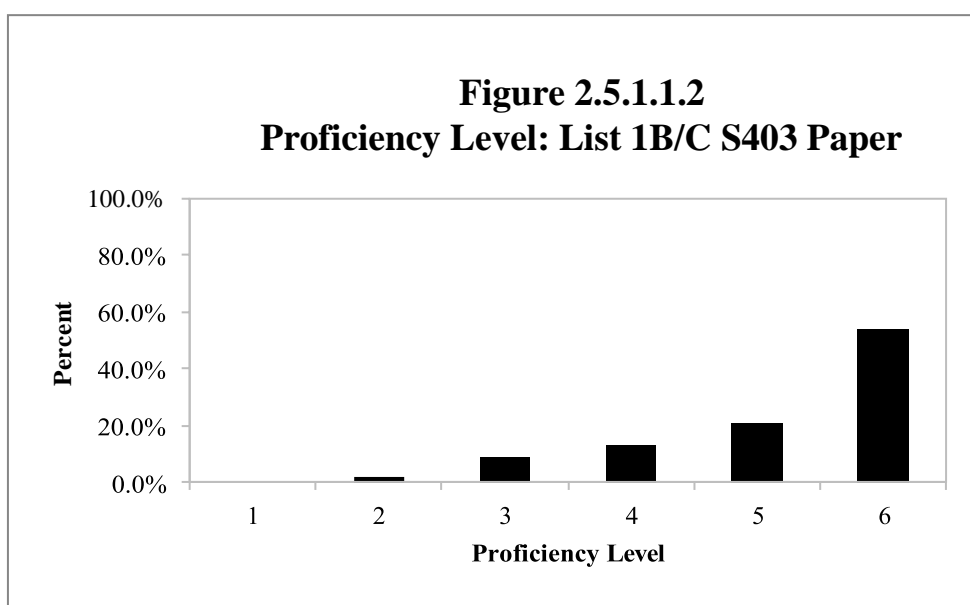
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.1.2

Proficiency Level Distribution: List 1 B/C S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	151	0.68%	151	0.68%
2	429	1.92%	429	1.92%
3	1,956	8.75%	1,956	8.75%
4	3,008	13.46%	3,008	13.46%
5	4,693	20.99%	4,693	20.99%
6	12,119	54.21%	12,119	54.21%
Total	22,356	100.00%	22,356	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



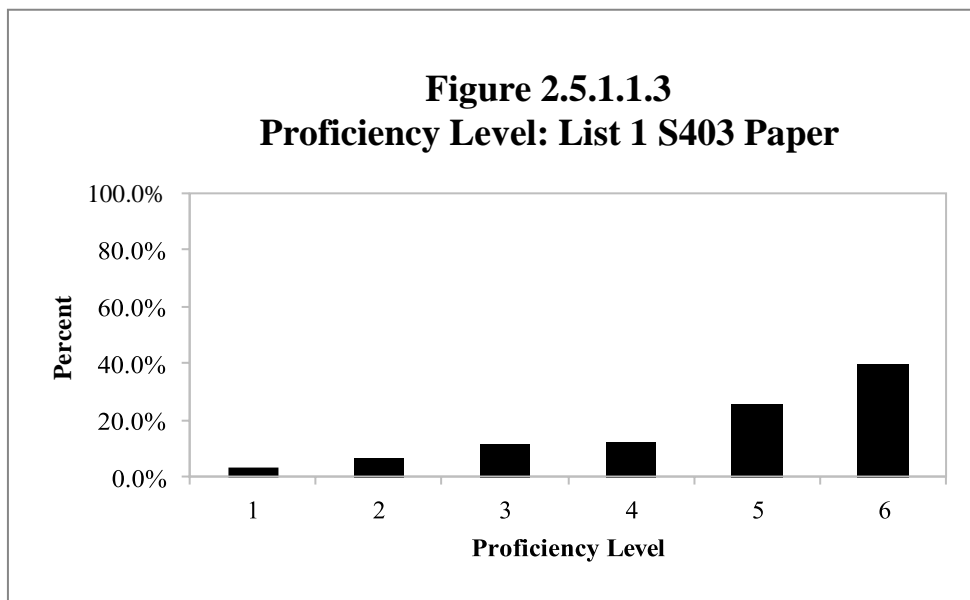
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.1.3

Proficiency Level Distribution: List 1 S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	1,475	3.39%	1,475	3.39%
2	2,883	6.62%	2,883	6.62%
3	5,134	11.80%	5,134	11.80%
4	5,382	12.37%	5,382	12.37%
5	11,136	25.58%	11,136	25.58%
6	17,516	40.24%	17,516	40.24%
Total	43,526	100.00%	43,526	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

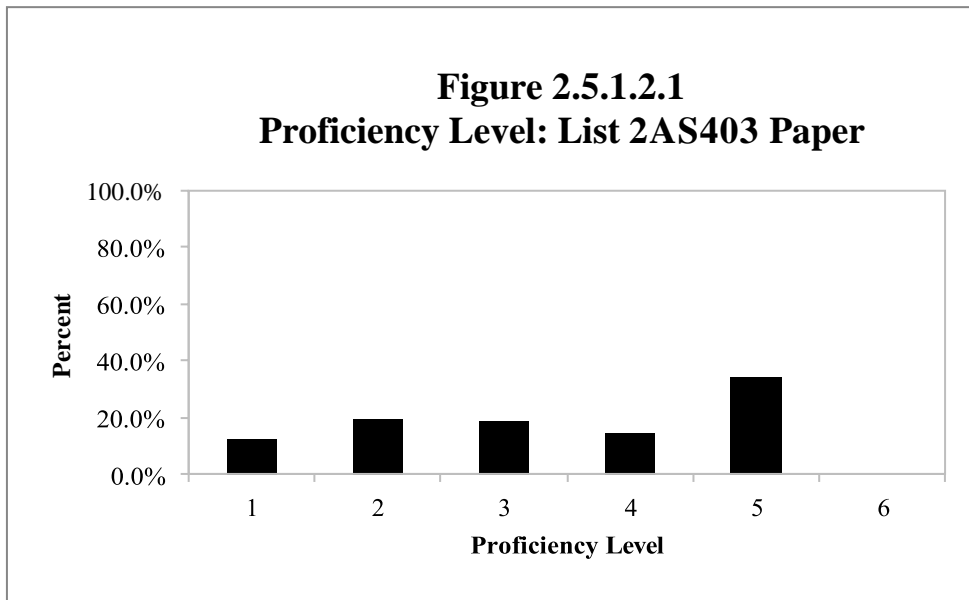
2.5.1.2 Grade 2

Table 2.5.1.2.1

Proficiency Level Distribution: List 2 A S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	1,203	12.80%	1,203	12.80%
2	1,835	19.52%	1,835	19.52%
3	1,757	18.69%	1,757	18.69%
4	1,409	14.99%	1,409	14.99%
5	3,197	34.01%	3,197	34.01%
6	0	0.00%	0	0.00%
Total	9,401	100.00%	9,401	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



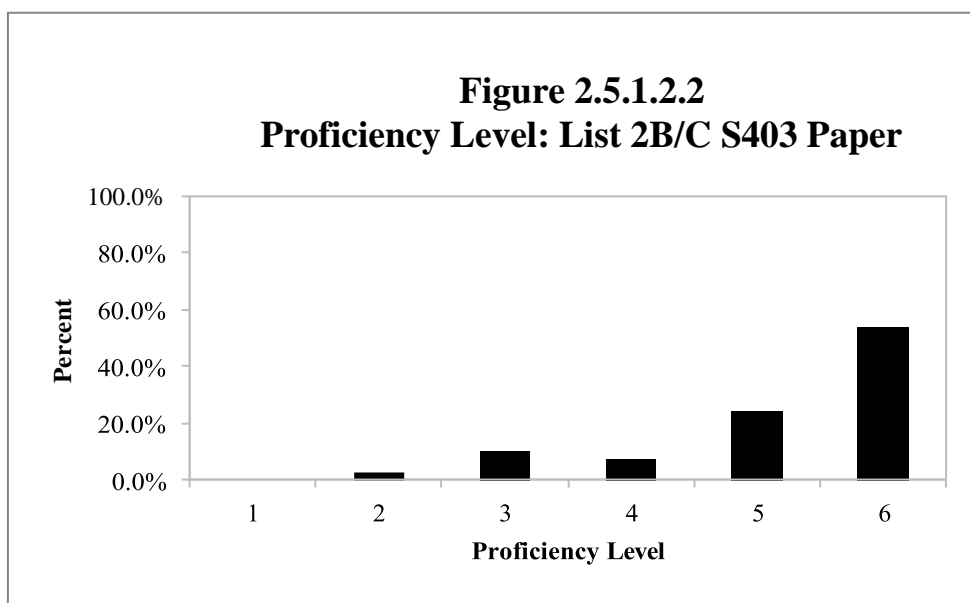
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.2.2

Proficiency Level Distribution: List 2 B/C S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	109	0.32%	109	0.32%
2	999	2.97%	999	2.97%
3	3,626	10.77%	3,626	10.77%
4	2,464	7.32%	2,464	7.32%
5	8,333	24.75%	8,333	24.75%
6	18,138	53.87%	18,138	53.87%
Total	33,669	100.00%	33,669	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



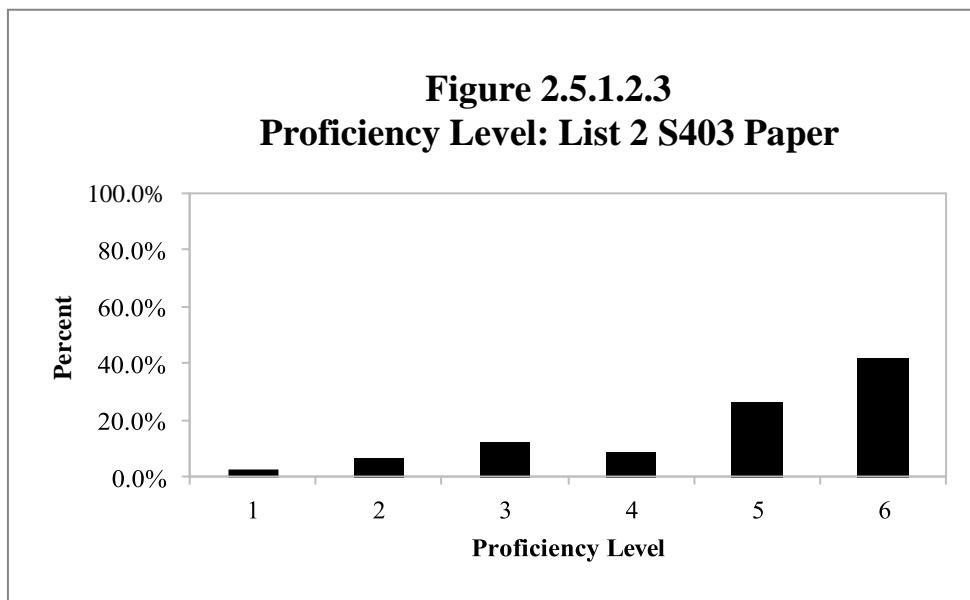
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.2.3

Proficiency Level Distribution: List 2 S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	1,312	3.05%	1,312	3.05%
2	2,834	6.58%	2,834	6.58%
3	5,383	12.50%	5,383	12.50%
4	3,873	8.99%	3,873	8.99%
5	11,530	26.77%	11,530	26.77%
6	18,138	42.11%	18,138	42.11%
Total	43,070	100.00%	43,070	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

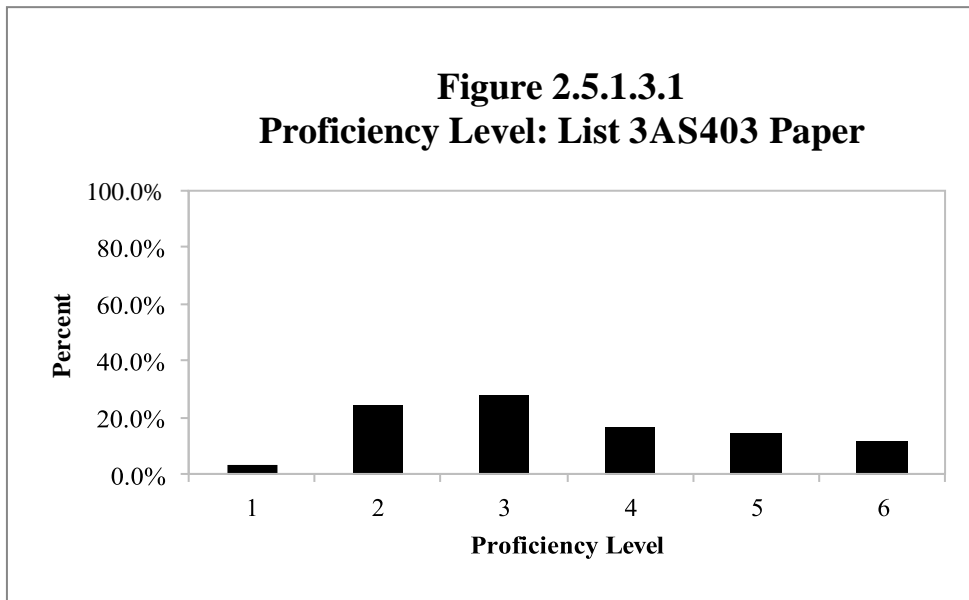
2.5.1.3 Grade 3

Table 2.5.1.3.1

Proficiency Level Distribution: List 3 A S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	239	3.63%	239	3.63%
2	1,635	24.82%	1,635	24.82%
3	1,843	27.98%	1,843	27.98%
4	1,123	17.05%	1,123	17.05%
5	981	14.89%	981	14.89%
6	766	11.63%	766	11.63%
Total	6,587	100.00%	6,587	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



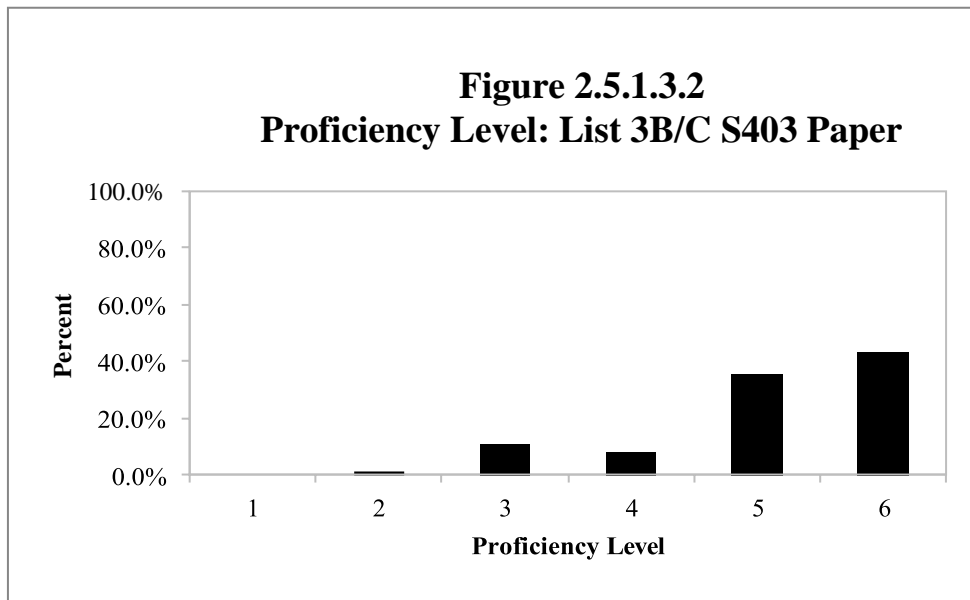
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.3.2

Proficiency Level Distribution: List 3 B/C S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	14	0.04%	14	0.04%
2	412	1.32%	412	1.32%
3	3,422	10.98%	3,422	10.98%
4	2,488	7.98%	2,488	7.98%
5	11,212	35.97%	11,212	35.97%
6	13,623	43.70%	13,623	43.70%
Total	31,171	100.00%	31,171	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



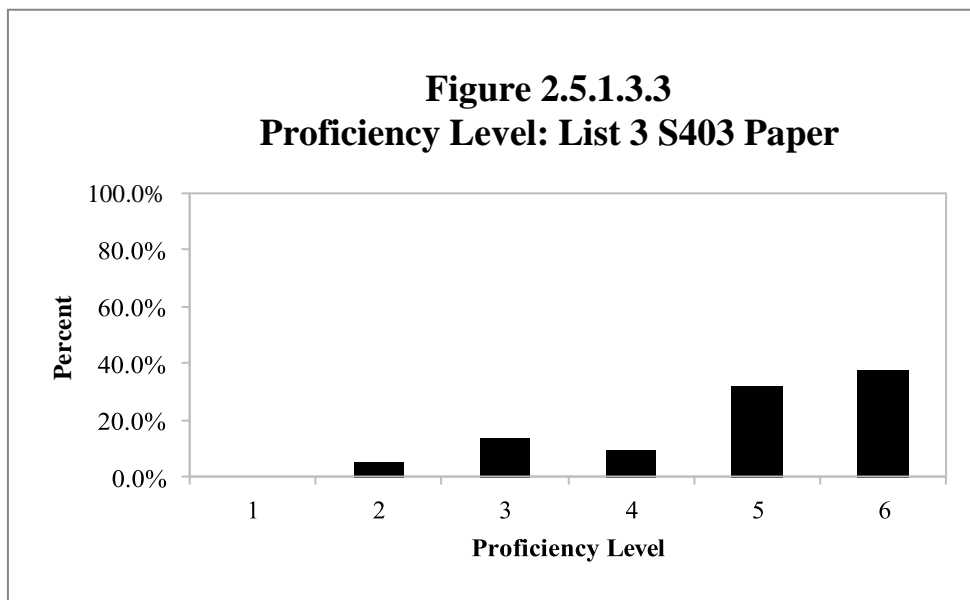
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.3.3

Proficiency Level Distribution: List 3 S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	253	0.67%	253	0.67%
2	2,047	5.42%	2,047	5.42%
3	5,265	13.94%	5,265	13.94%
4	3,611	9.56%	3,611	9.56%
5	12,193	32.29%	12,193	32.29%
6	14,389	38.11%	14,389	38.11%
Total	37,758	100.00%	37,758	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

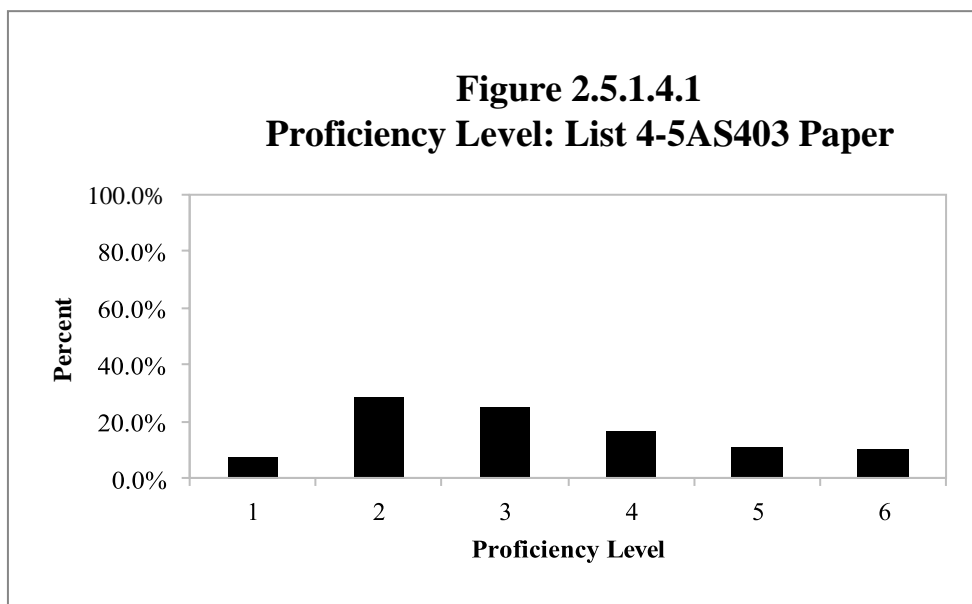
2.5.1.4 Grades 4–5

Table 2.5.1.4.1

Proficiency Level Distribution: List 4-5 A S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	309	6.05%	408	8.83%	717	7.37%
2	1,440	28.21%	1,326	28.69%	2,766	28.44%
3	1,324	25.94%	1,145	24.77%	2,469	25.38%
4	840	16.45%	798	17.27%	1,638	16.84%
5	695	13.61%	404	8.74%	1,099	11.30%
6	497	9.74%	541	11.70%	1,038	10.67%
Total	5,105	100.00%	4,622	100.00%	9,727	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



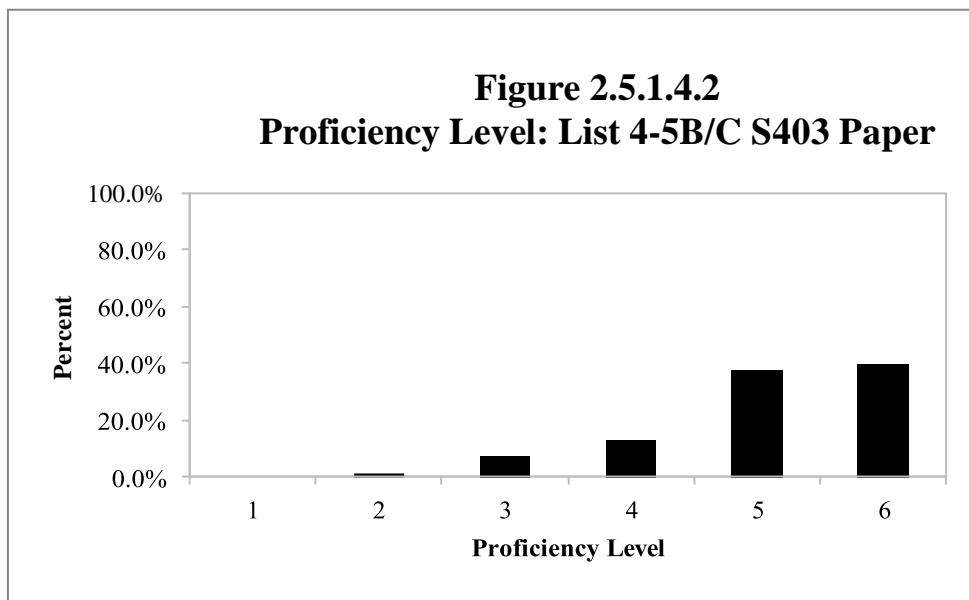
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.4.2

Proficiency Level Distribution: List 4-5 B/C S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	16	0.07%	10	0.05%	26	0.06%
2	250	1.02%	316	1.46%	566	1.22%
3	1,888	7.67%	1,540	7.11%	3,428	7.41%
4	3,350	13.61%	2,867	13.24%	6,217	13.44%
5	9,269	37.66%	8,149	37.64%	17,418	37.65%
6	9,840	39.98%	8,768	40.50%	18,608	40.22%
Total	24,613	100.00%	21,650	100.00%	46,263	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



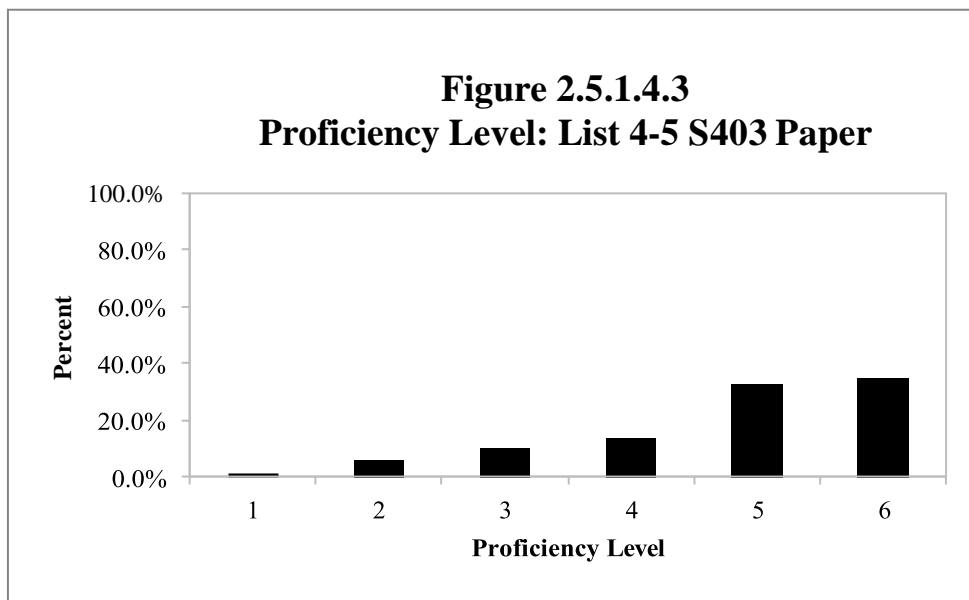
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.4.3

Proficiency Level Distribution: List 4-5 S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	325	1.09%	418	1.59%	743	1.33%
2	1,690	5.69%	1,642	6.25%	3,332	5.95%
3	3,212	10.81%	2,685	10.22%	5,897	10.53%
4	4,190	14.10%	3,665	13.95%	7,855	14.03%
5	9,964	33.53%	8,553	32.56%	18,517	33.07%
6	10,337	34.78%	9,309	35.43%	19,646	35.09%
Total	29,718	100.00%	26,272	100.00%	55,990	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

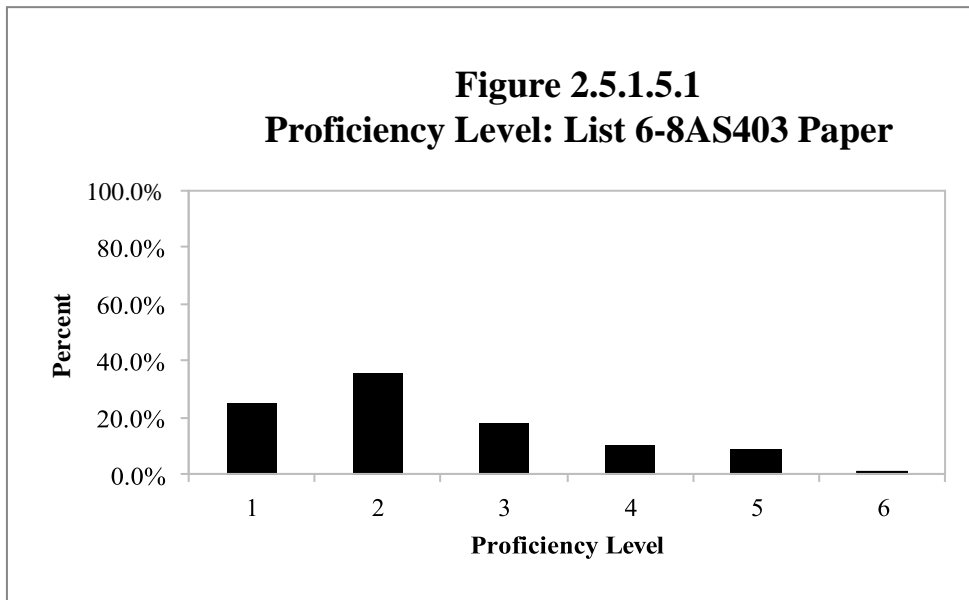
2.5.1.5 Grades 6–8

Table 2.5.1.5.1

Proficiency Level Distribution: List 6-8 A S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	885	19.36%	1,356	29.50%	1,239	27.09%	3,480	25.33%
2	1,772	38.77%	1,324	28.81%	1,801	39.37%	4,897	35.64%
3	770	16.85%	1,059	23.04%	702	15.35%	2,531	18.42%
4	603	13.19%	287	6.24%	501	10.95%	1,391	10.12%
5	426	9.32%	460	10.01%	331	7.24%	1,217	8.86%
6	115	2.52%	110	2.39%	0	0.00%	225	1.64%
Total	4,571	100.00%	4,596	100.00%	4,574	100.00%	13,741	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



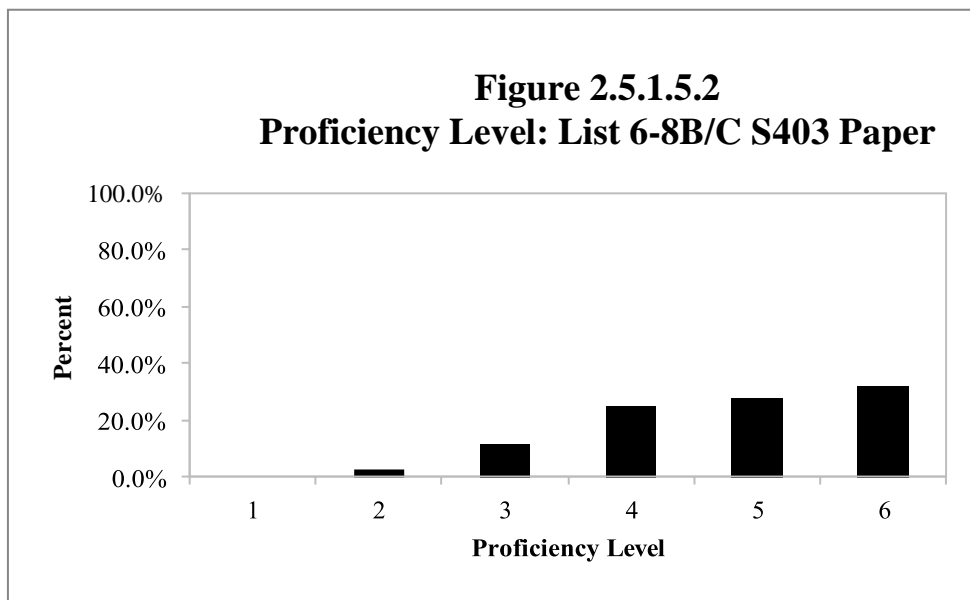
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.5.2

Proficiency Level Distribution: List 6-8 B/C S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	14	0.10%	28	0.20%	16	0.13%	58	0.14%
2	332	2.27%	449	3.27%	313	2.59%	1,094	2.71%
3	1,470	10.07%	1,545	11.27%	1,901	15.74%	4,916	12.17%
4	3,882	26.58%	3,896	28.41%	2,267	18.77%	10,045	24.87%
5	4,083	27.96%	3,863	28.17%	3,318	27.48%	11,264	27.88%
6	4,824	33.03%	3,934	28.68%	4,261	35.28%	13,019	32.23%
Total	14,605	100.00%	13,715	100.00%	12,076	100.00%	40,396	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



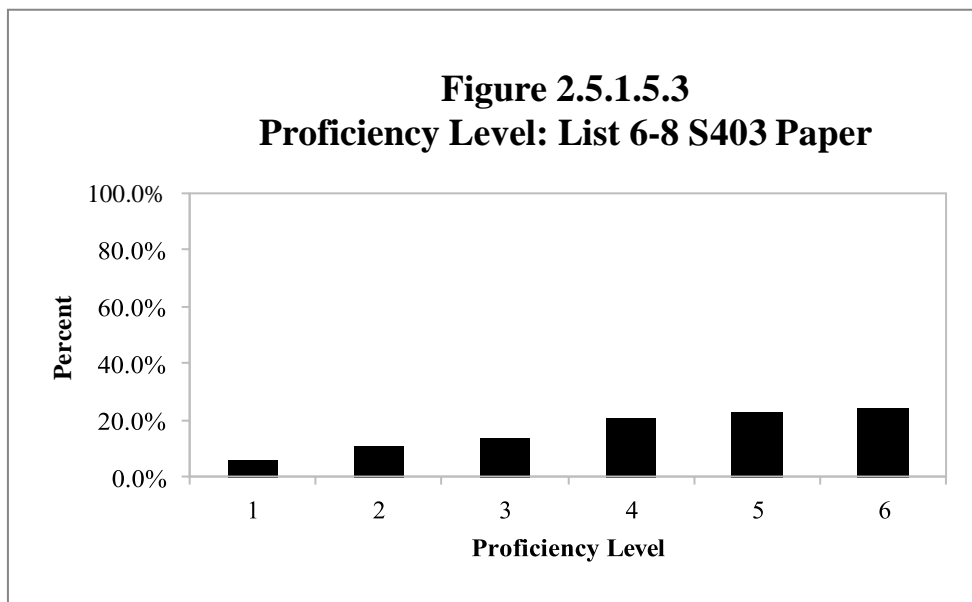
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.5.3

Proficiency Level Distribution: List 6-8 S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	899	4.69%	1,384	7.56%	1,255	7.54%	3,538	6.54%
2	2,104	10.97%	1,773	9.68%	2,114	12.70%	5,991	11.07%
3	2,240	11.68%	2,604	14.22%	2,603	15.63%	7,447	13.76%
4	4,485	23.39%	4,183	22.84%	2,768	16.62%	11,436	21.12%
5	4,509	23.51%	4,323	23.61%	3,649	21.92%	12,481	23.05%
6	4,939	25.76%	4,044	22.09%	4,261	25.59%	13,244	24.46%
Total	19,176	100.00%	18,311	100.00%	16,650	100.00%	54,137	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

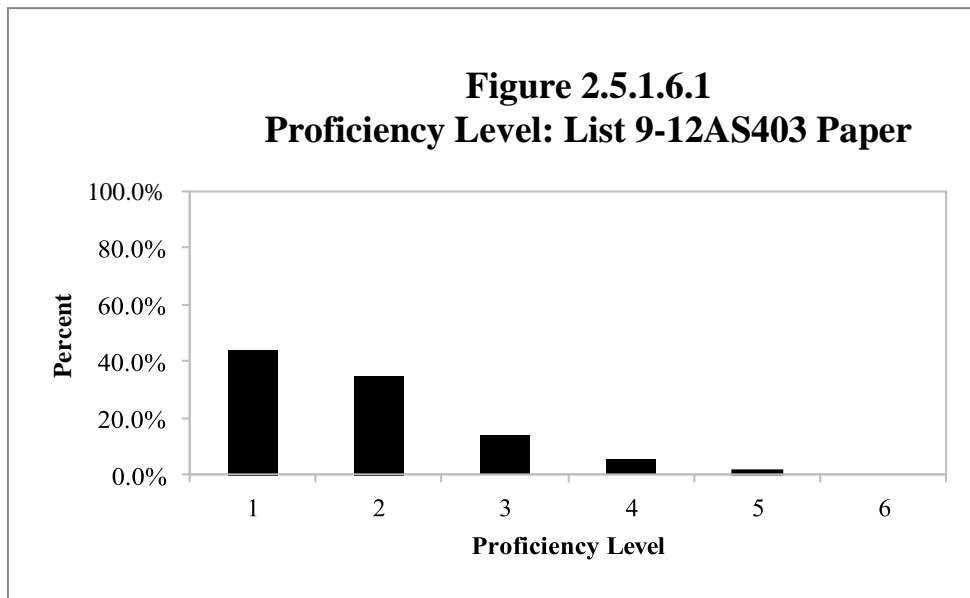
2.5.1.6 Grades 9–12

Table 2.5.1.6.1

Proficiency Level Distribution: List 9-12 A S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,763	33.83%	1,708	42.48%	1,738	51.71%	1,130	63.02%	6,339	44.06%
2	2,390	45.86%	1,415	35.19%	805	23.95%	385	21.47%	4,995	34.72%
3	709	13.61%	600	14.92%	525	15.62%	211	11.77%	2,045	14.22%
4	196	3.76%	272	6.76%	250	7.44%	45	2.51%	763	5.30%
5	153	2.94%	26	0.65%	43	1.28%	22	1.23%	244	1.70%
6	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	5,211	100.00%	4,021	100.00%	3,361	100.00%	1,793	100.00%	14,386	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



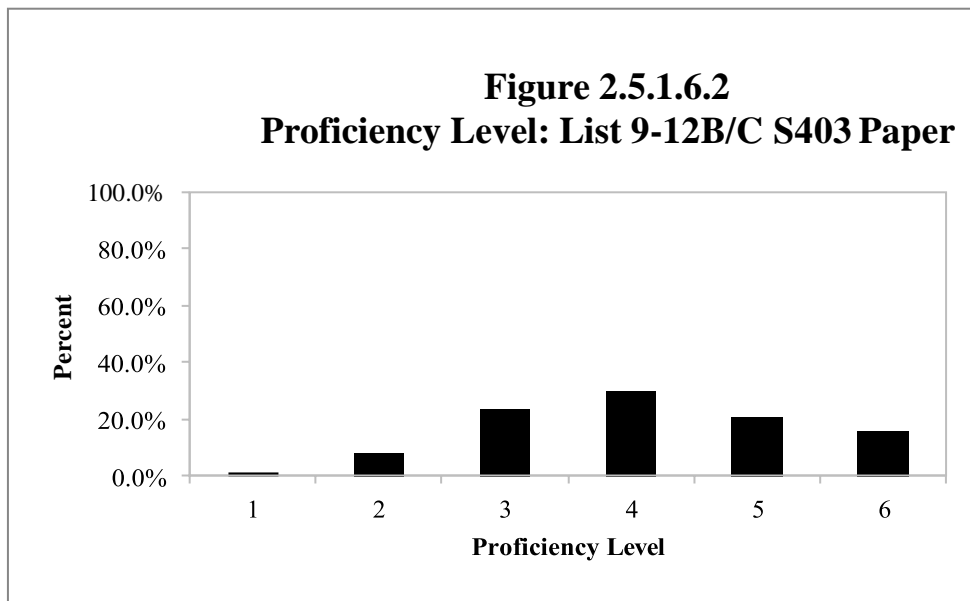
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.6.2

Proficiency Level Distribution: List 9-12 B/C S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	56	0.52%	61	0.58%	108	1.12%	219	3.28%	444	1.18%
2	509	4.70%	887	8.38%	755	7.85%	911	13.65%	3,062	8.12%
3	1,859	17.16%	2,298	21.72%	2,903	30.17%	1,856	27.81%	8,916	23.65%
4	3,482	32.15%	3,561	33.66%	2,201	22.88%	2,220	33.26%	11,464	30.40%
5	2,522	23.29%	2,195	20.75%	2,063	21.44%	1,012	15.16%	7,792	20.66%
6	2,403	22.19%	1,578	14.91%	1,591	16.54%	457	6.85%	6,029	15.99%
Total	10,831	100.00%	10,580	100.00%	9,621	100.00%	6,675	100.00%	37,707	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



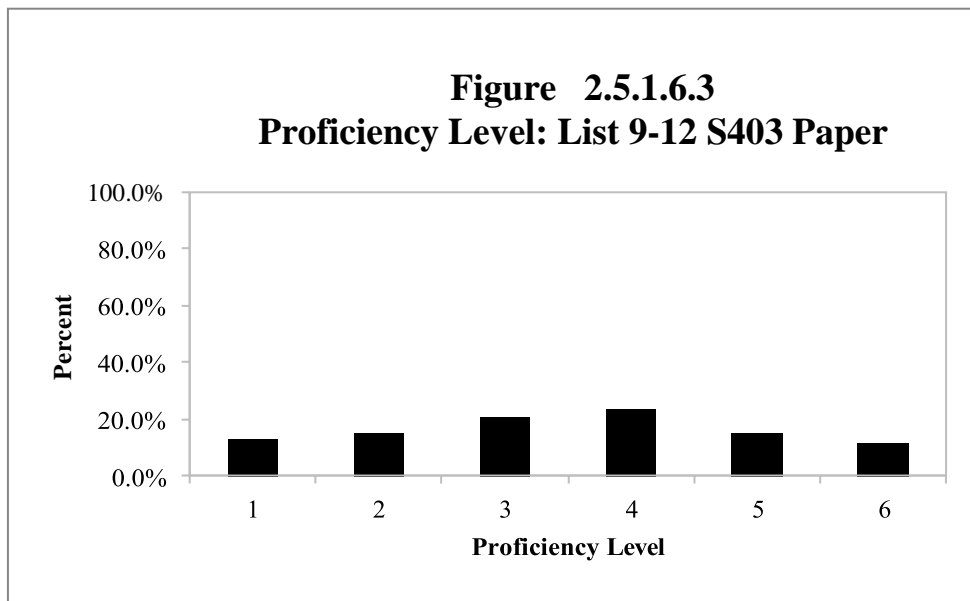
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.1.6.3

Proficiency Level Distribution: List 9-12 S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,819	11.34%	1,769	12.12%	1,846	14.22%	1,349	15.93%	6,783	13.02%
2	2,899	18.07%	2,302	15.77%	1,560	12.02%	1,296	15.30%	8,057	15.47%
3	2,568	16.01%	2,898	19.85%	3,428	26.41%	2,067	24.41%	10,961	21.04%
4	3,678	22.93%	3,833	26.25%	2,451	18.88%	2,265	26.75%	12,227	23.47%
5	2,675	16.67%	2,221	15.21%	2,106	16.22%	1,034	12.21%	8,036	15.43%
6	2,403	14.98%	1,578	10.81%	1,591	12.26%	457	5.40%	6,029	11.57%
Total	16,042	100.00%	14,601	100.00%	12,982	100.00%	8,468	100.00%	52,093	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

2.5.2 Reading

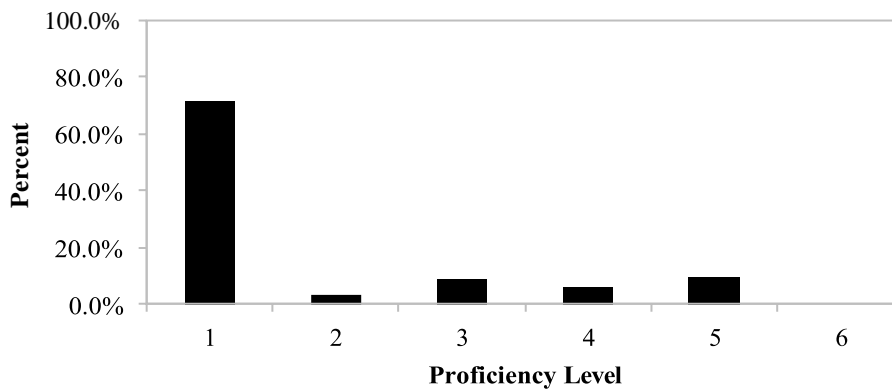
2.5.2.0 Kindergarten

Table 2.5.2.0

Proficiency Level Distribution: Read K S403 Paper

Level	Grade K		Total	
	Count	Percent	Count	Percent
1	166,156	71.48%	166,156	71.48%
2	8,043	3.46%	8,043	3.46%
3	21,648	9.31%	21,648	9.31%
4	13,987	6.02%	13,987	6.02%
5	22,624	9.73%	22,624	9.73%
6	0	0.00%	0	0.00%
Total	232,458	100.00%	232,458	100.00%

Figure 2.5.2.0
Proficiency Level: Read K S403 Paper



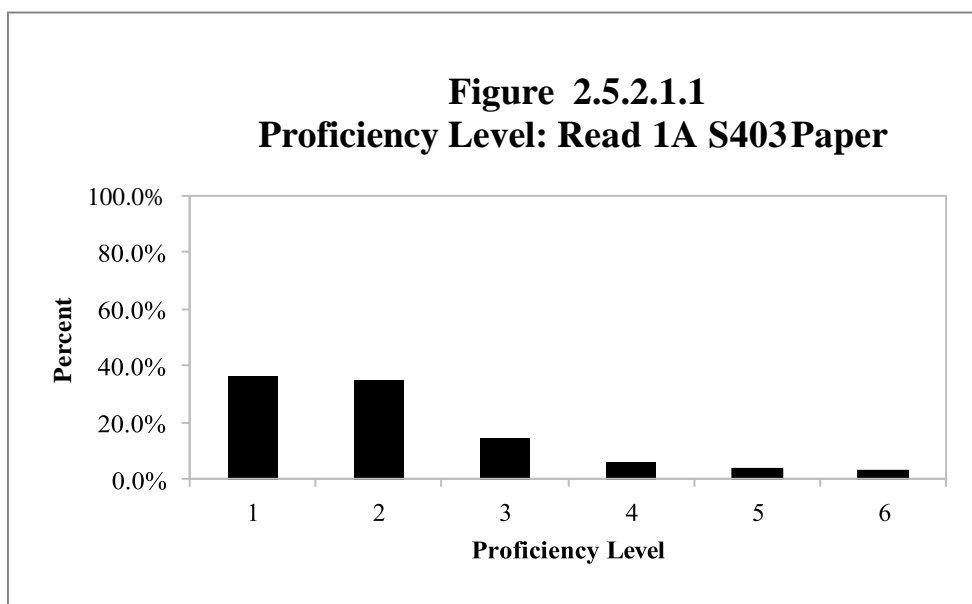
2.5.2.1 Grade 1

Table 2.5.2.1.1

Proficiency Level Distribution: Read 1 A S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	7,456	36.47%	7,456	36.47%
2	7,105	34.76%	7,105	34.76%
3	3,038	14.86%	3,038	14.86%
4	1,279	6.26%	1,279	6.26%
5	881	4.31%	881	4.31%
6	683	3.34%	683	3.34%
Total	20,442	100.00%	20,442	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



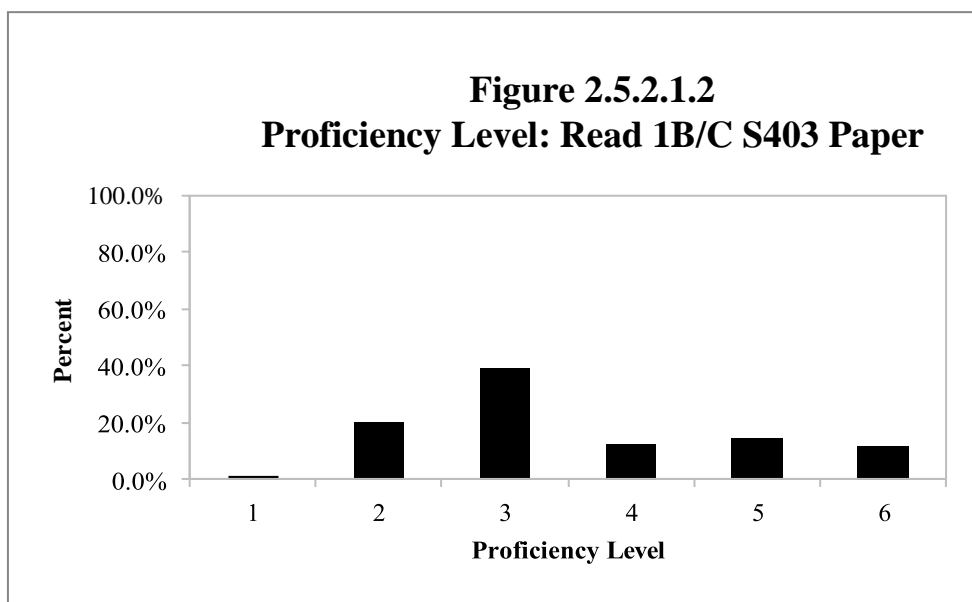
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.1.2

Proficiency Level Distribution: Read 1 B/C S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	207	1.05%	207	1.05%
2	4,030	20.42%	4,030	20.42%
3	7,732	39.19%	7,732	39.19%
4	2,438	12.36%	2,438	12.36%
5	2,928	14.84%	2,928	14.84%
6	2,396	12.14%	2,396	12.14%
Total	19,731	100.00%	19,731	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



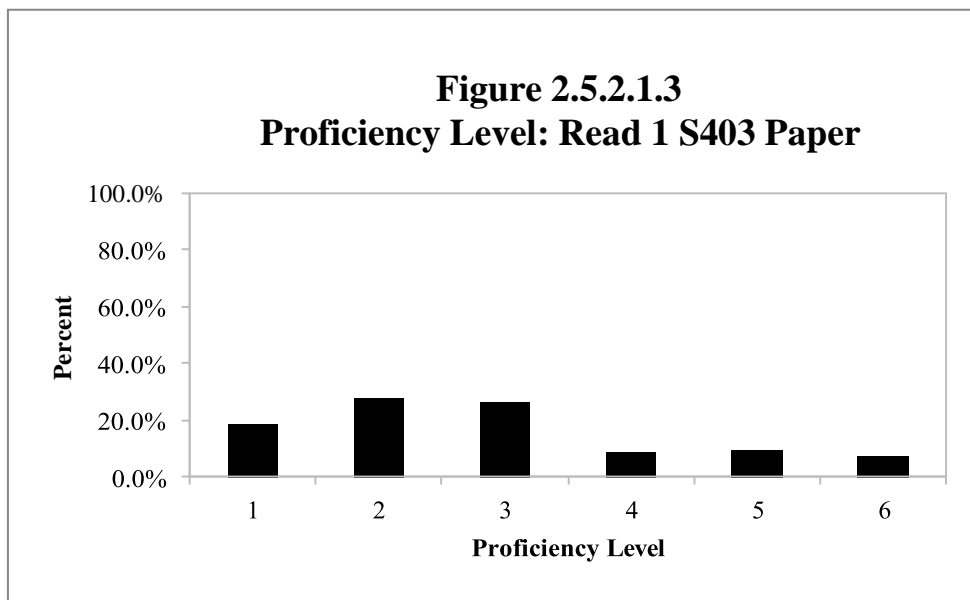
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.1.3

Proficiency Level Distribution: Read 1 S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	7,663	19.08%	7,663	19.08%
2	11,135	27.72%	11,135	27.72%
3	10,770	26.81%	10,770	26.81%
4	3,717	9.25%	3,717	9.25%
5	3,809	9.48%	3,809	9.48%
6	3,079	7.66%	3,079	7.66%
Total	40,173	100.00%	40,173	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

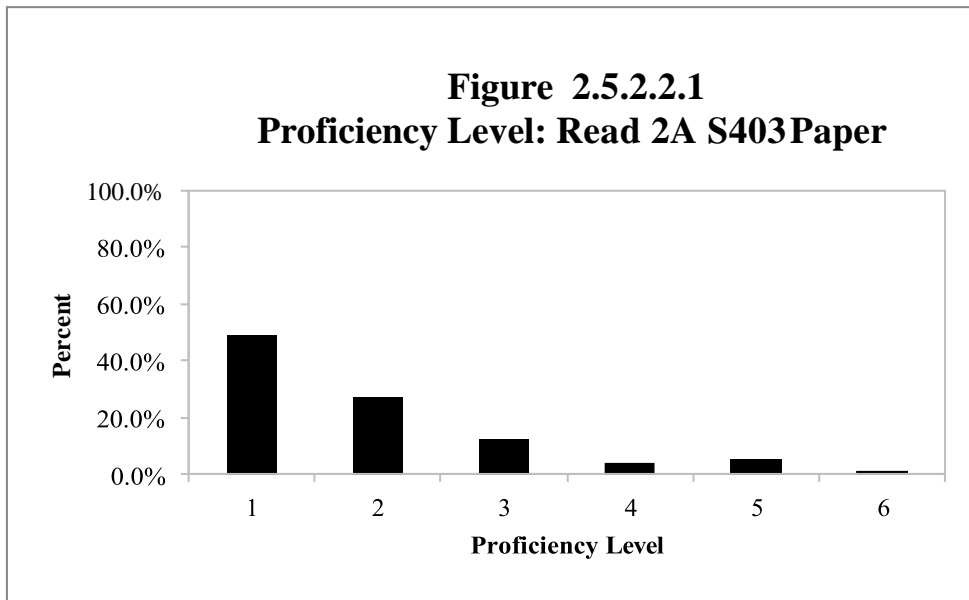
2.5.2.2 Grade 2

Table 2.5.2.2.1

Proficiency Level Distribution: Read 2 A S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	4,423	49.40%	4,423	49.40%
2	2,423	27.06%	2,423	27.06%
3	1,117	12.47%	1,117	12.47%
4	365	4.08%	365	4.08%
5	521	5.82%	521	5.82%
6	105	1.17%	105	1.17%
Total	8,954	100.00%	8,954	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



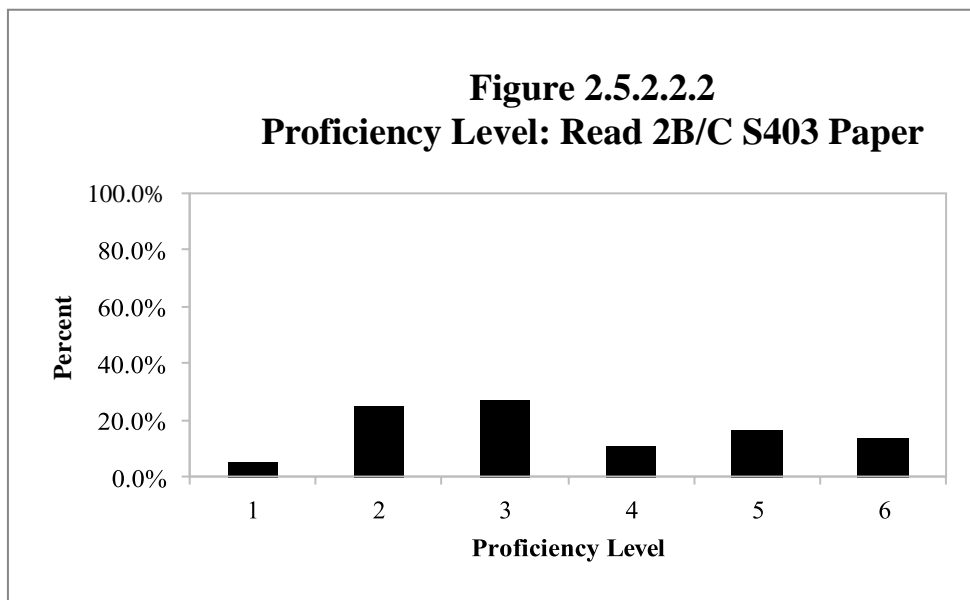
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.2.2

Proficiency Level Distribution: Read 2 B/C S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	1,578	5.20%	1,578	5.20%
2	7,601	25.03%	7,601	25.03%
3	8,343	27.47%	8,343	27.47%
4	3,434	11.31%	3,434	11.31%
5	5,133	16.90%	5,133	16.90%
6	4,279	14.09%	4,279	14.09%
Total	30,368	100.00%	30,368	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



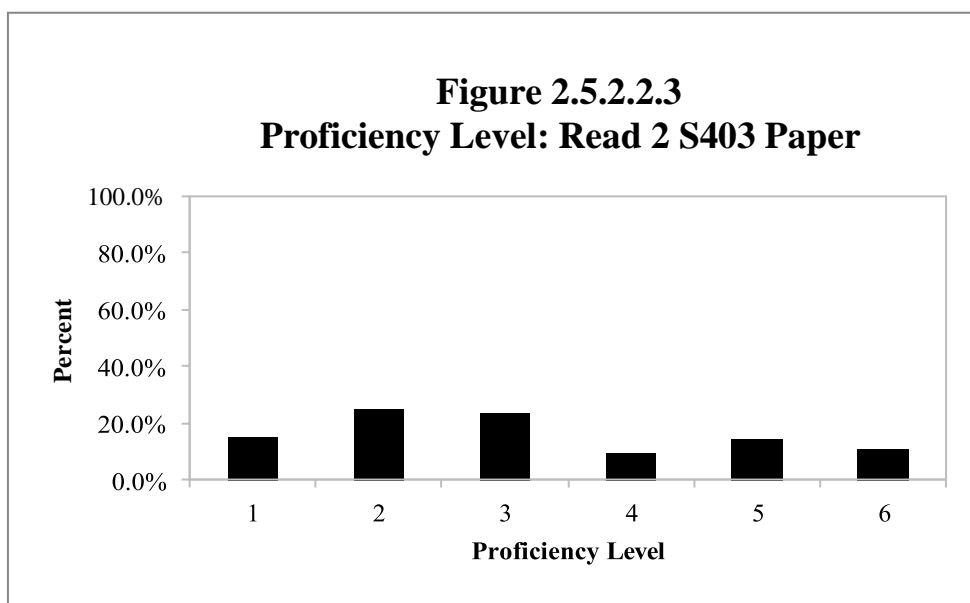
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.2.3

Proficiency Level Distribution: Read 2 S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	6,001	15.26%	6,001	15.26%
2	10,024	25.49%	10,024	25.49%
3	9,460	24.06%	9,460	24.06%
4	3,799	9.66%	3,799	9.66%
5	5,654	14.38%	5,654	14.38%
6	4,384	11.15%	4,384	11.15%
Total	39,322	100.00%	39,322	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

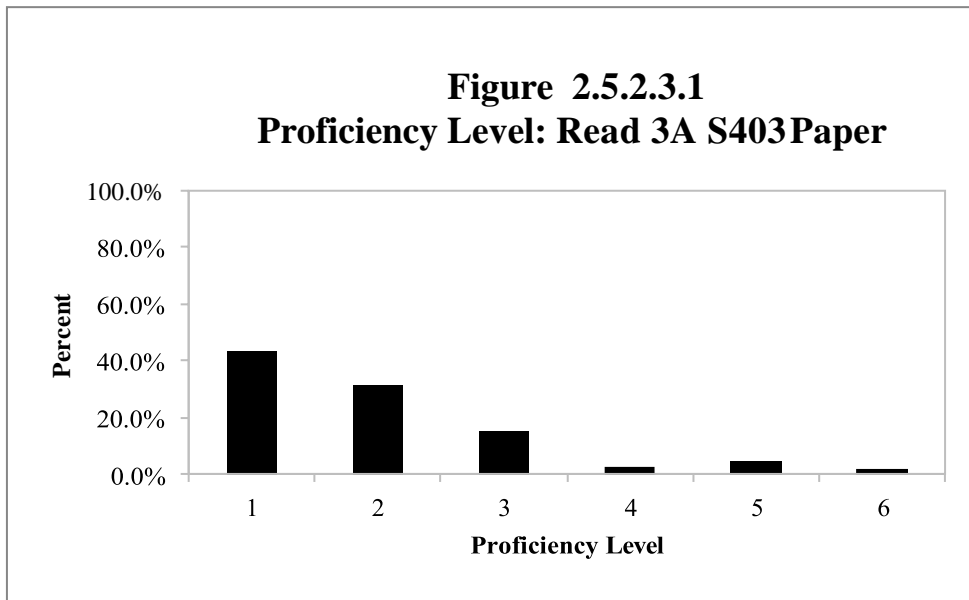
2.5.2.3 Grade 3

Table 2.5.2.3.1

Proficiency Level Distribution: Read 3 A S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	2,713	43.68%	2,713	43.68%
2	1,959	31.54%	1,959	31.54%
3	951	15.31%	951	15.31%
4	185	2.98%	185	2.98%
5	291	4.69%	291	4.69%
6	112	1.80%	112	1.80%
Total	6,211	100.00%	6,211	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



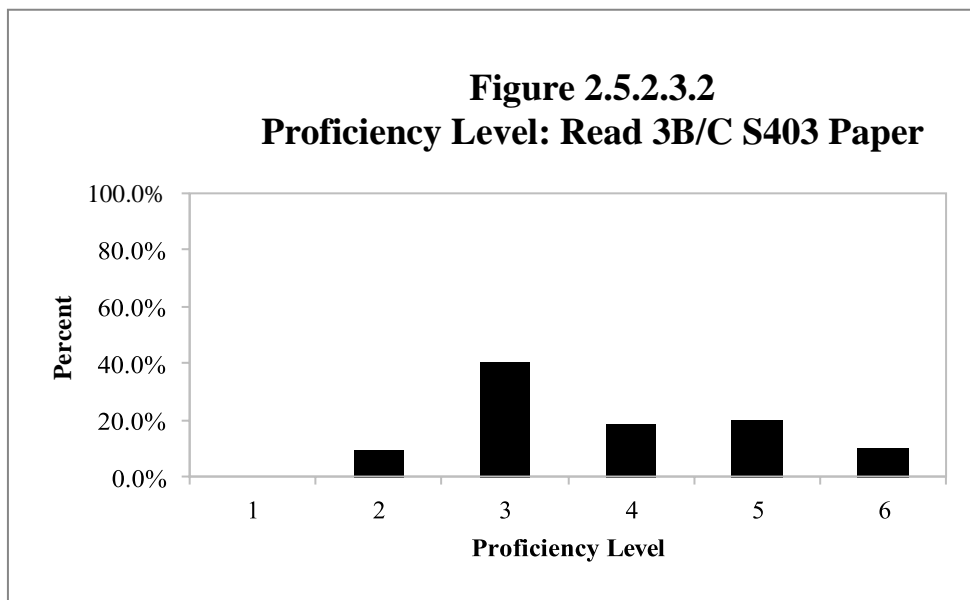
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.3.2

Proficiency Level Distribution: Read 3 B/C S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	120	0.43%	120	0.43%
2	2,742	9.82%	2,742	9.82%
3	11,276	40.40%	11,276	40.40%
4	5,220	18.70%	5,220	18.70%
5	5,565	19.94%	5,565	19.94%
6	2,986	10.70%	2,986	10.70%
Total	27,909	100.00%	27,909	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



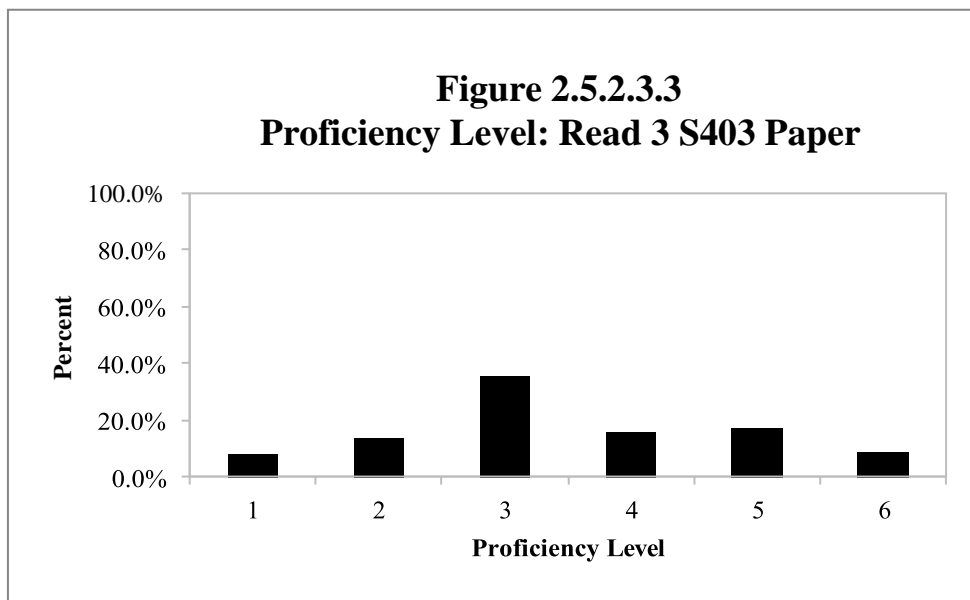
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.3.3

Proficiency Level Distribution: Read 3 S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	2,833	8.30%	2,833	8.30%
2	4,701	13.78%	4,701	13.78%
3	12,227	35.84%	12,227	35.84%
4	5,405	15.84%	5,405	15.84%
5	5,856	17.16%	5,856	17.16%
6	3,098	9.08%	3,098	9.08%
Total	34,120	100.00%	34,120	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

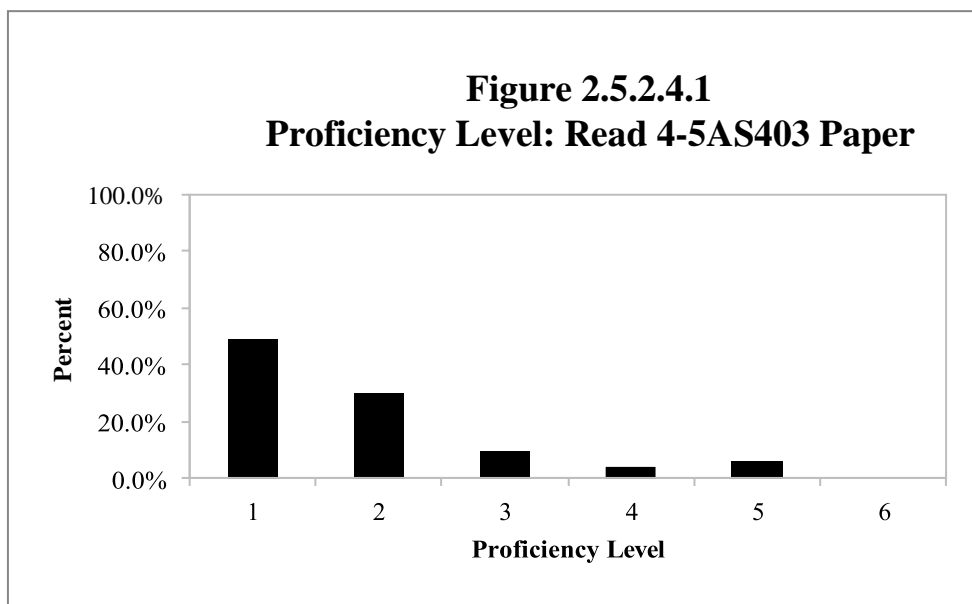
2.5.2.4 Grades 4–5

Table 2.5.2.4.1

Proficiency Level Distribution: Read 4-5 A S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	2,348	48.44%	2,237	50.37%	4,585	49.36%
2	1,520	31.36%	1,257	28.30%	2,777	29.90%
3	428	8.83%	465	10.47%	893	9.61%
4	198	4.09%	208	4.68%	406	4.37%
5	301	6.21%	274	6.17%	575	6.19%
6	52	1.07%	0	0.00%	52	0.56%
Total	4,847	100.00%	4,441	100.00%	9,288	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



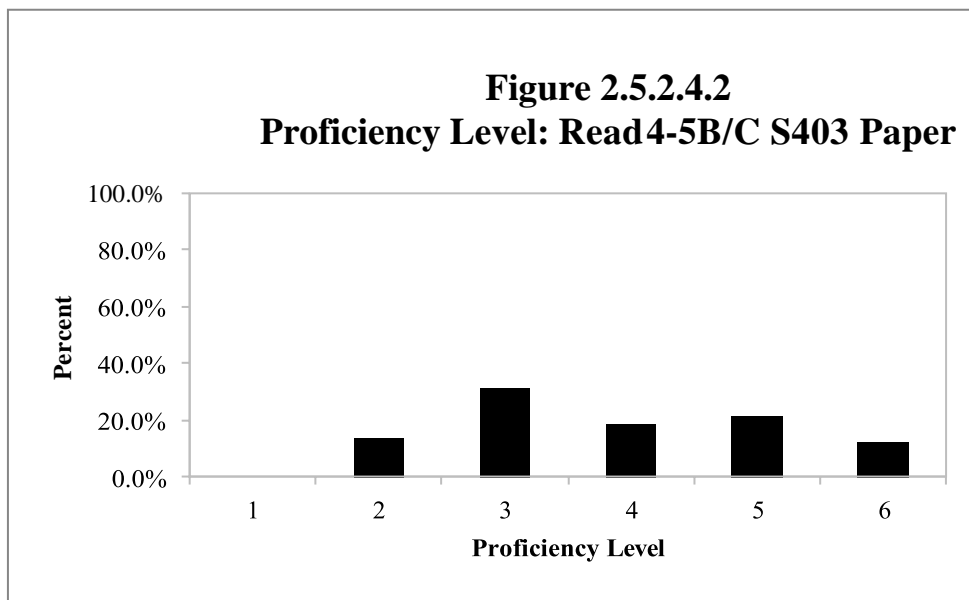
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.4.2

Proficiency Level Distribution: Read 4-5 B/C S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	144	0.64%	207	1.04%	351	0.83%
2	2,759	12.27%	3,170	15.89%	5,929	13.97%
3	7,089	31.52%	6,404	32.10%	13,493	31.79%
4	5,240	23.30%	2,830	14.18%	8,070	19.01%
5	4,613	20.51%	4,659	23.35%	9,272	21.85%
6	2,646	11.76%	2,681	13.44%	5,327	12.55%
Total	22,491	100.00%	19,951	100.00%	42,442	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



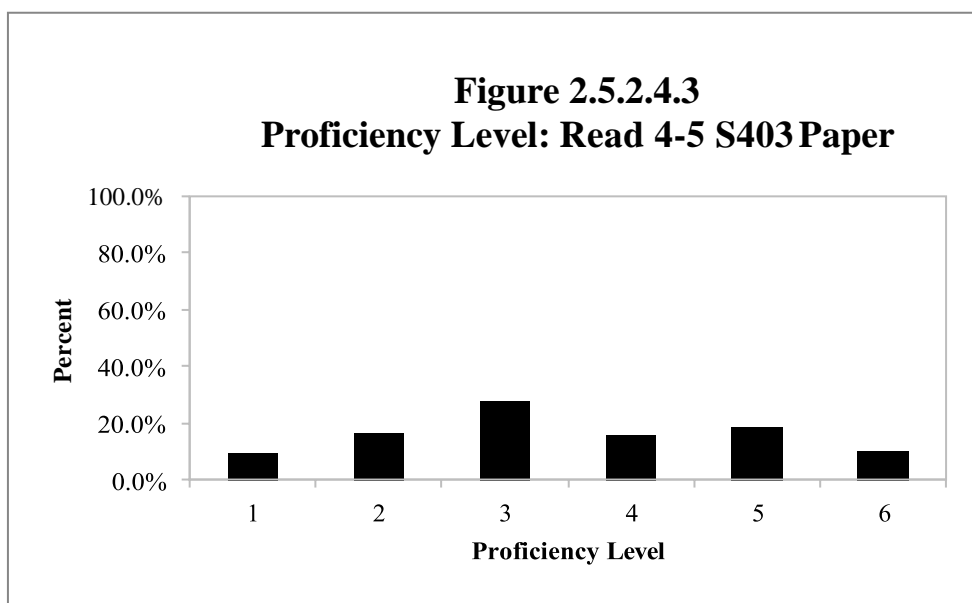
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.4.3

Proficiency Level Distribution: Read 4-5 S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	2,492	9.12%	2,444	10.02%	4,936	9.54%
2	4,279	15.65%	4,427	18.15%	8,706	16.83%
3	7,517	27.50%	6,869	28.16%	14,386	27.81%
4	5,438	19.89%	3,038	12.45%	8,476	16.39%
5	4,914	17.97%	4,933	20.22%	9,847	19.04%
6	2,698	9.87%	2,681	10.99%	5,379	10.40%
Total	27,338	100.00%	24,392	100.00%	51,730	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

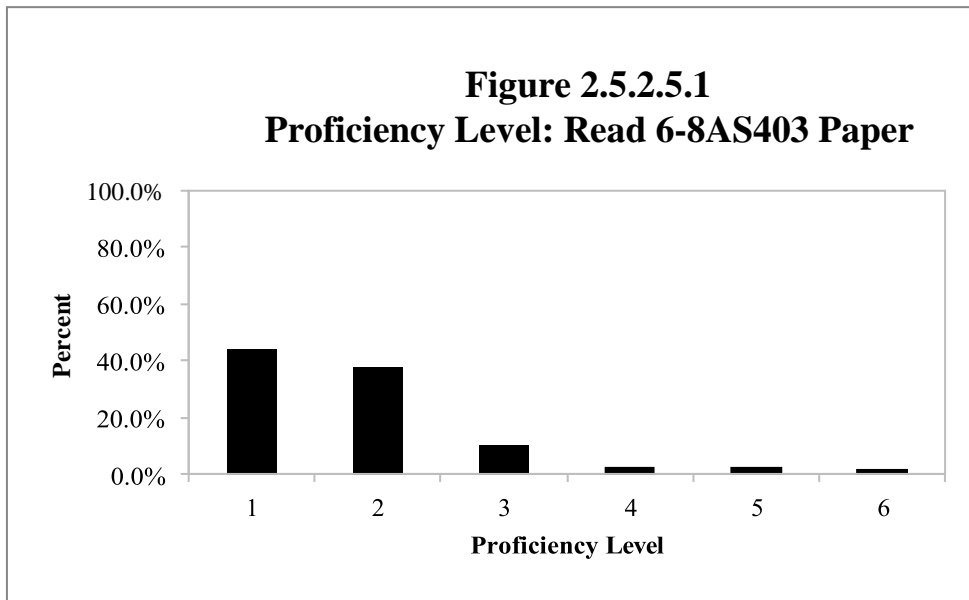
2.5.2.5 Grades 6–8

Table 2.5.2.5.1

Proficiency Level Distribution: Read 6-8 A S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,750	39.98%	1,998	45.62%	2,041	46.75%	5,789	44.11%
2	1,787	40.83%	1,600	36.53%	1,603	36.72%	4,990	38.02%
3	478	10.92%	449	10.25%	441	10.10%	1,368	10.42%
4	120	2.74%	107	2.44%	104	2.38%	331	2.52%
5	150	3.43%	159	3.63%	75	1.72%	384	2.93%
6	92	2.10%	67	1.53%	102	2.34%	261	1.99%
Total	4,377	100.00%	4,380	100.00%	4,366	100.00%	13,123	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



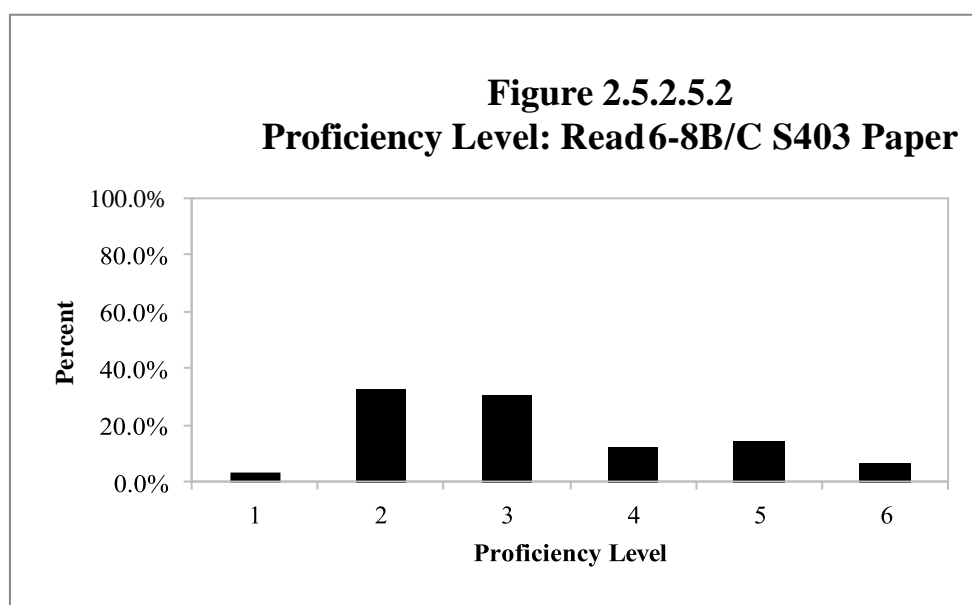
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.5.2

Proficiency Level Distribution: Read 6-8 B/C S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	287	2.14%	412	3.20%	457	4.01%	1,156	3.07%
2	4,863	36.22%	3,966	30.85%	3,613	31.69%	12,442	33.02%
3	4,140	30.84%	4,361	33.92%	3,010	26.40%	11,511	30.55%
4	1,613	12.01%	1,557	12.11%	1,508	13.23%	4,678	12.41%
5	1,916	14.27%	1,658	12.90%	1,833	16.08%	5,407	14.35%
6	607	4.52%	902	7.02%	979	8.59%	2,488	6.60%
Total	13,426	100.00%	12,856	100.00%	11,400	100.00%	37,682	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



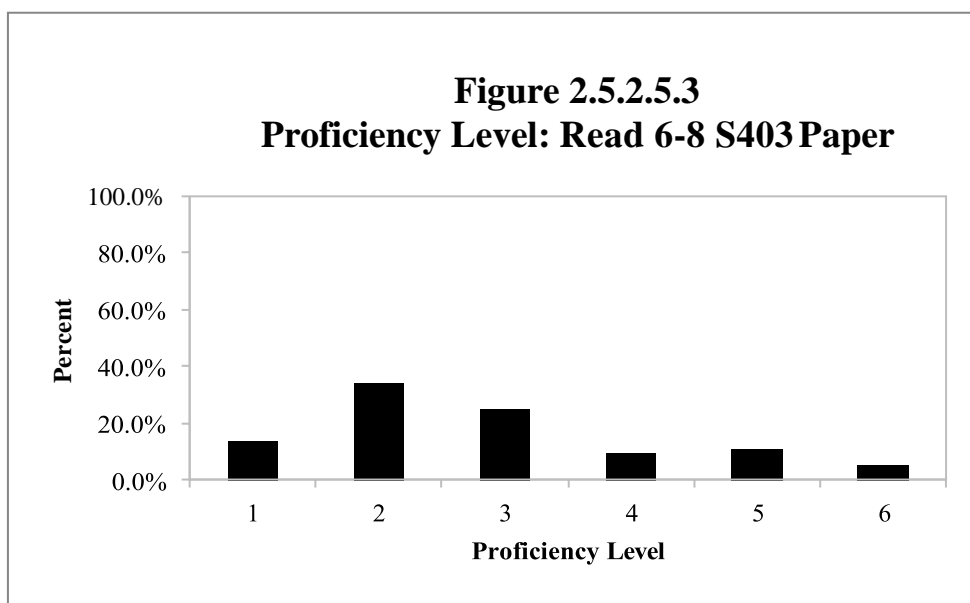
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.5.3

Proficiency Level Distribution: Read 6-8 S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	2,037	11.44%	2,410	13.98%	2,498	15.84%	6,945	13.67%
2	6,650	37.35%	5,566	32.29%	5,216	33.08%	17,432	34.31%
3	4,618	25.94%	4,810	27.91%	3,451	21.89%	12,879	25.35%
4	1,733	9.73%	1,664	9.65%	1,612	10.22%	5,009	9.86%
5	2,066	11.60%	1,817	10.54%	1,908	12.10%	5,791	11.40%
6	699	3.93%	969	5.62%	1,081	6.86%	2,749	5.41%
Total	17,803	100.00%	17,236	100.00%	15,766	100.00%	50,805	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

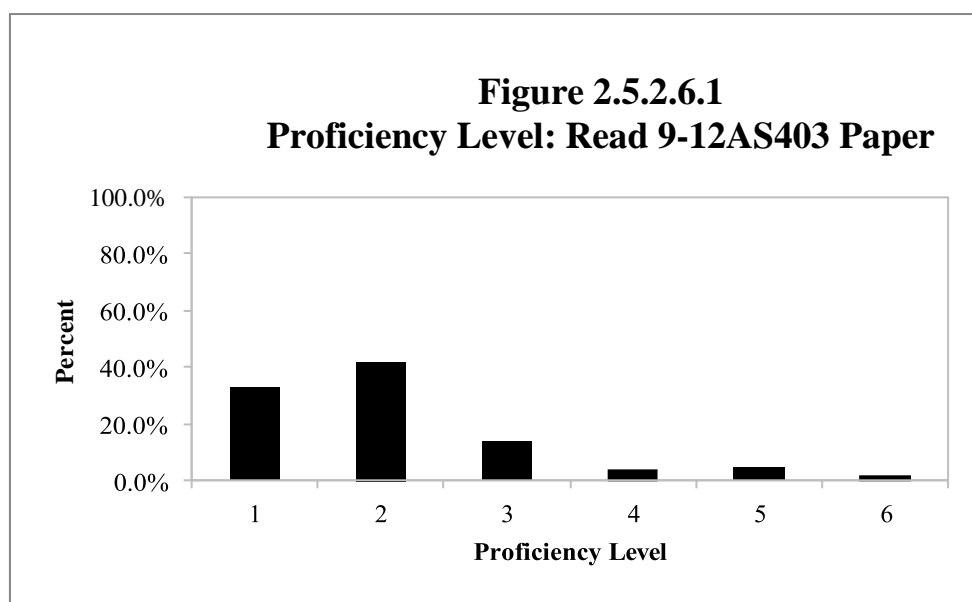
2.5.2.6 Grades 9–12

Table 2.5.2.6.1

Proficiency Level Distribution: Read 9-12 A S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,806	35.50%	1,129	28.82%	1,074	32.62%	585	33.49%	4,594	32.71%
2	1,934	38.02%	1,740	44.41%	1,426	43.32%	814	46.59%	5,914	42.11%
3	790	15.53%	635	16.21%	382	11.60%	199	11.39%	2,006	14.28%
4	161	3.16%	167	4.26%	152	4.62%	80	4.58%	560	3.99%
5	290	5.70%	128	3.27%	216	6.56%	48	2.75%	682	4.86%
6	106	2.08%	119	3.04%	42	1.28%	21	1.20%	288	2.05%
Total	5,087	100.00%	3,918	100.00%	3,292	100.00%	1,747	100.00%	14,044	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



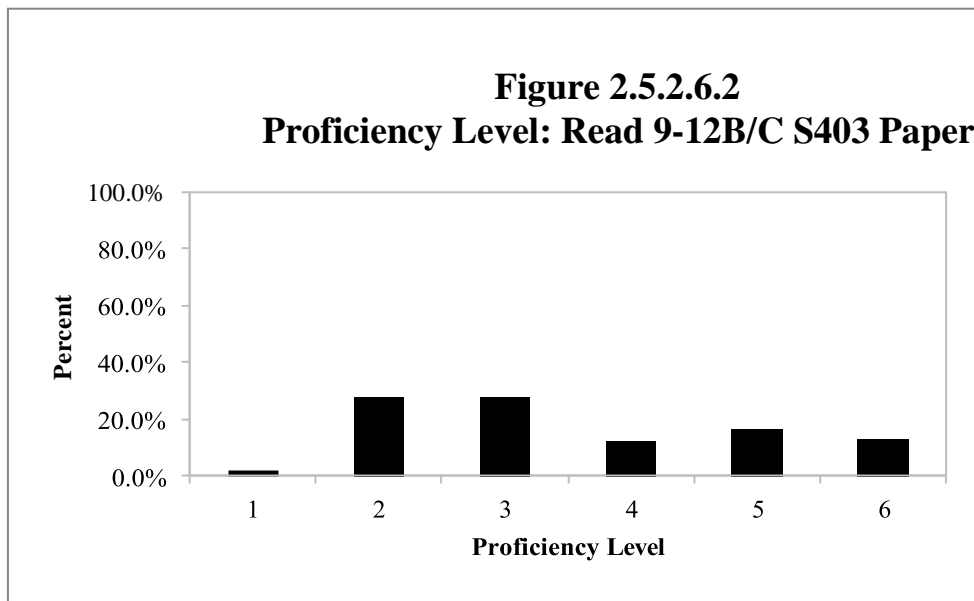
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.6.2

Proficiency Level Distribution: Read 9-12 B/C S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	104	1.06%	85	0.88%	173	1.95%	295	4.68%	657	1.90%
2	2,378	24.34%	2,567	26.49%	2,429	27.42%	2,313	36.67%	9,687	27.98%
3	2,484	25.42%	2,942	30.36%	2,411	27.22%	1,867	29.60%	9,704	28.02%
4	1,822	18.65%	1,138	11.75%	1,067	12.04%	372	5.90%	4,399	12.70%
5	1,591	16.28%	1,586	16.37%	1,610	18.17%	911	14.44%	5,698	16.46%
6	1,392	14.25%	1,371	14.15%	1,169	13.20%	550	8.72%	4,482	12.94%
Total	9,771	100.00%	9,689	100.00%	8,859	100.00%	6,308	100.00%	34,627	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



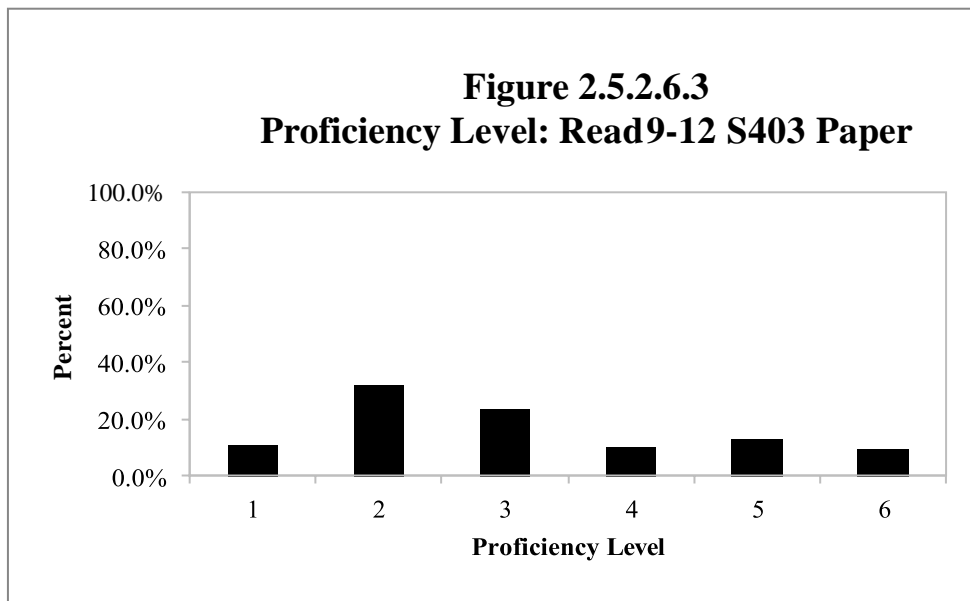
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.2.6.3

Proficiency Level Distribution: Read 9-12 S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,910	12.86%	1,214	8.92%	1,247	10.26%	880	10.92%	5,251	10.79%
2	4,312	29.02%	4,307	31.65%	3,855	31.73%	3,127	38.82%	15,601	32.05%
3	3,274	22.04%	3,577	26.29%	2,793	22.99%	2,066	25.65%	11,710	24.06%
4	1,983	13.35%	1,305	9.59%	1,219	10.03%	452	5.61%	4,959	10.19%
5	1,881	12.66%	1,714	12.60%	1,826	15.03%	959	11.91%	6,380	13.11%
6	1,498	10.08%	1,490	10.95%	1,211	9.97%	571	7.09%	4,770	9.80%
Total	14,858	100.00%	13,607	100.00%	12,151	100.00%	8,055	100.00%	48,671	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

2.5.3 Writing

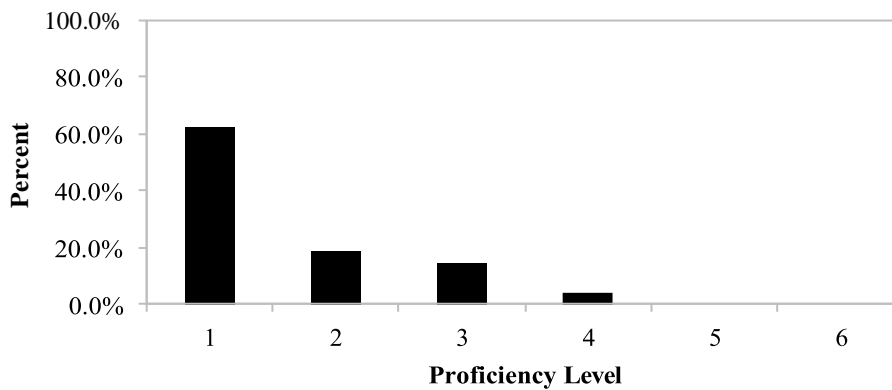
2.5.3.0 Kindergarten

Table 2.5.3.0

Proficiency Level Distribution: Writ K S403 Paper

Level	Grade K		Total	
	Count	Percent	Count	Percent
1	144,444	62.14%	144,444	62.14%
2	43,478	18.70%	43,478	18.70%
3	34,787	14.96%	34,787	14.96%
4	9,750	4.19%	9,750	4.19%
5	0	0.00%	0	0.00%
6	0	0.00%	0	0.00%
Total	232,459	100.00%	232,459	100.00%

Figure 2.5.3.0
Proficiency Level: Writ K S403 Paper



2.5.3.1 Grade 1

Table 2.5.3.1.1

Proficiency Level Distribution: Writ 1 A S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	8,999	36.44%	8,999	36.44%
2	14,390	58.26%	14,390	58.26%
3	1,309	5.30%	1,309	5.30%
4	0	0.00%	0	0.00%
5	0	0.00%	0	0.00%
6	0	0.00%	0	0.00%
Total	24,698	100.00%	24,698	100.00%

Figure 2.5.3.1.1
Proficiency Level: Writ 1A S403 Paper

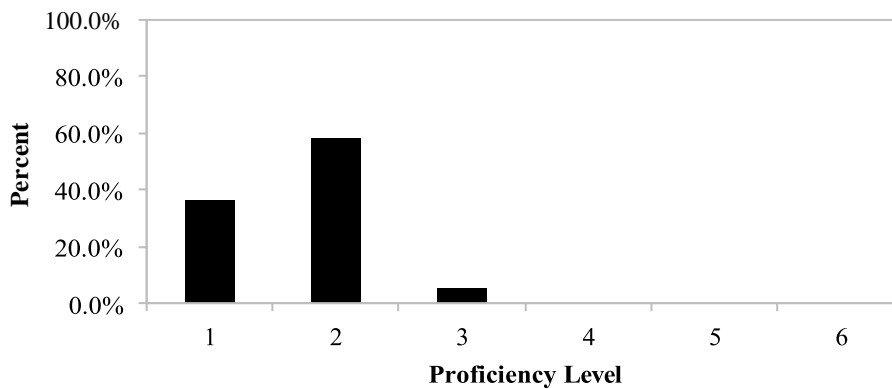


Table 2.5.3.1.2

Proficiency Level Distribution: Writ 1 B/C S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	2,249	9.29%	2,249	9.29%
2	8,055	33.28%	8,055	33.28%
3	13,114	54.17%	13,114	54.17%
4	780	3.22%	780	3.22%
5	8	0.03%	8	0.03%
6	1	0.00%	1	0.00%
Total	24,207	100.00%	24,207	100.00%

Figure 2.5.3.1.2
Proficiency Level: Writ 1B/C S403 Paper

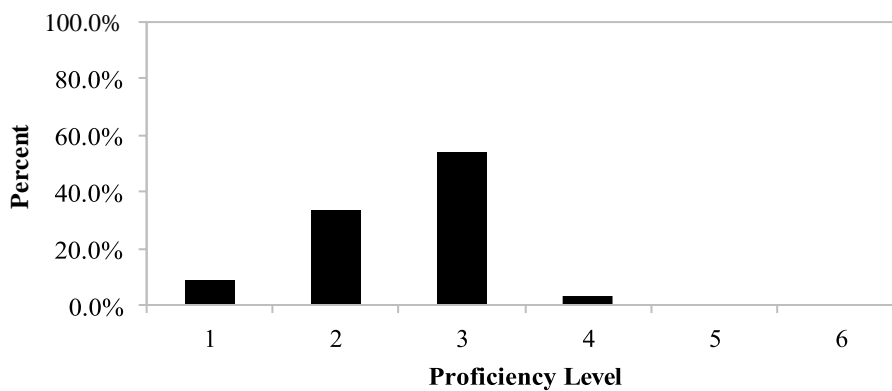
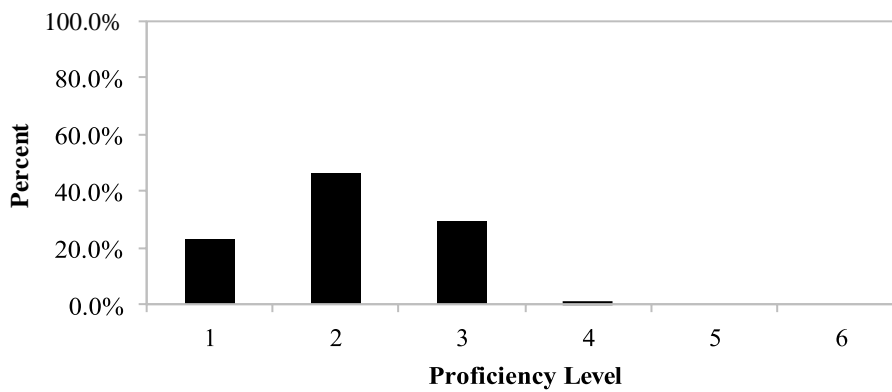


Table 2.5.3.1.3

Proficiency Level Distribution: Writ 1 S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	11,248	23.00%	11,248	23.00%
2	22,445	45.90%	22,445	45.90%
3	14,423	29.49%	14,423	29.49%
4	780	1.59%	780	1.59%
5	8	0.02%	8	0.02%
6	1	0.00%	1	0.00%
Total	48,905	100.00%	48,905	100.00%

Figure 2.5.3.1.3
Proficiency Level: Writ 1 S403 Paper



2.5.3.2 Grade 2

Table 2.5.3.2.1

Proficiency Level Distribution: Writ 2 A S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	3,689	36.31%	3,689	36.31%
2	3,292	32.40%	3,292	32.40%
3	3,175	31.25%	3,175	31.25%
4	4	0.04%	4	0.04%
5	0	0.00%	0	0.00%
6	0	0.00%	0	0.00%
Total	10,160	100.00%	10,160	100.00%

Figure 2.5.3.2.1
Proficiency Level: Writ 2A S403 Paper

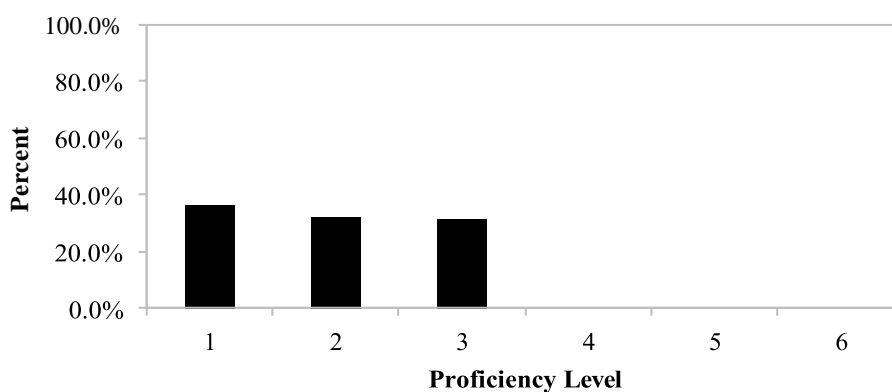


Table 2.5.3.2.2

Proficiency Level Distribution: Writ 2 B/C S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	1,582	4.53%	1,582	4.53%
2	6,030	17.27%	6,030	17.27%
3	24,665	70.65%	24,665	70.65%
4	2,621	7.51%	2,621	7.51%
5	13	0.04%	13	0.04%
6	0	0.00%	0	0.00%
Total	34,911	100.00%	34,911	100.00%

Figure 2.5.3.2.2
Proficiency Level: Writ 2B/C S403 Paper

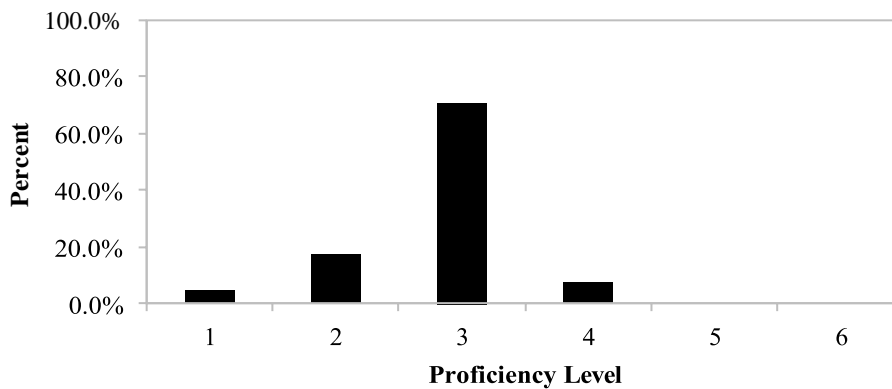
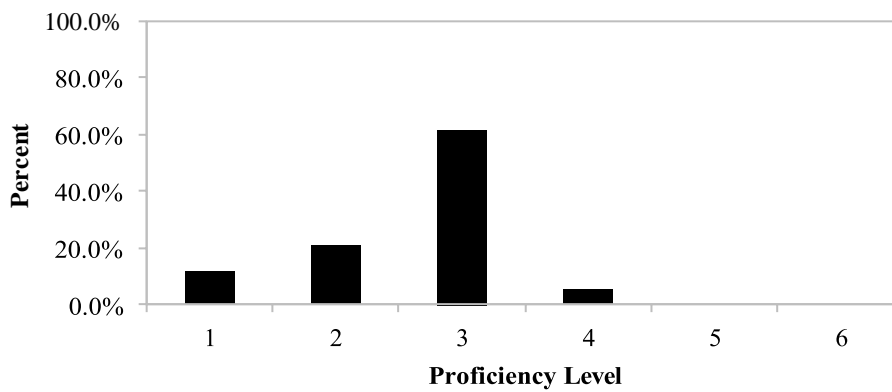


Table 2.5.3.2.3

Proficiency Level Distribution: Writ 2 S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	5,271	11.69%	5,271	11.69%
2	9,322	20.68%	9,322	20.68%
3	27,840	61.77%	27,840	61.77%
4	2,625	5.82%	2,625	5.82%
5	13	0.03%	13	0.03%
6	0	0.00%	0	0.00%
Total	45,071	100.00%	45,071	100.00%

Figure 2.5.3.2.3
Proficiency Level: Writ 2 S403 Paper



2.5.3.3 Grade 3

Table 2.5.3.3.1

Proficiency Level Distribution: Writ 3 A S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	2,343	33.54%	2,343	33.54%
2	2,710	38.80%	2,710	38.80%
3	1,926	27.57%	1,926	27.57%
4	6	0.09%	6	0.09%
5	0	0.00%	0	0.00%
6	0	0.00%	0	0.00%
Total	6,985	100.00%	6,985	100.00%

Figure 2.5.3.3.1
Proficiency Level: Writ 3A S403 Paper

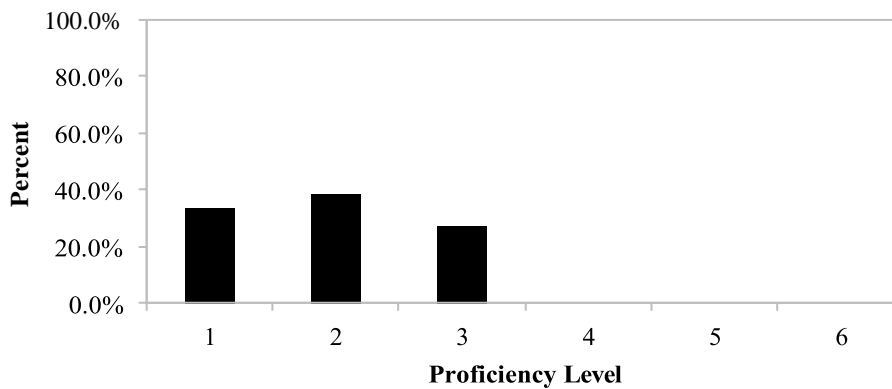


Table 2.5.3.3.2

Proficiency Level Distribution: Writ 3 B/C S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	759	2.37%	759	2.37%
2	2,730	8.52%	2,730	8.52%
3	23,693	73.99%	23,693	73.99%
4	4,785	14.94%	4,785	14.94%
5	53	0.17%	53	0.17%
6	4	0.01%	4	0.01%
Total	32,024	100.00%	32,024	100.00%

Figure 2.5.3.3.2
Proficiency Level: Writ 3B/C S403 Paper

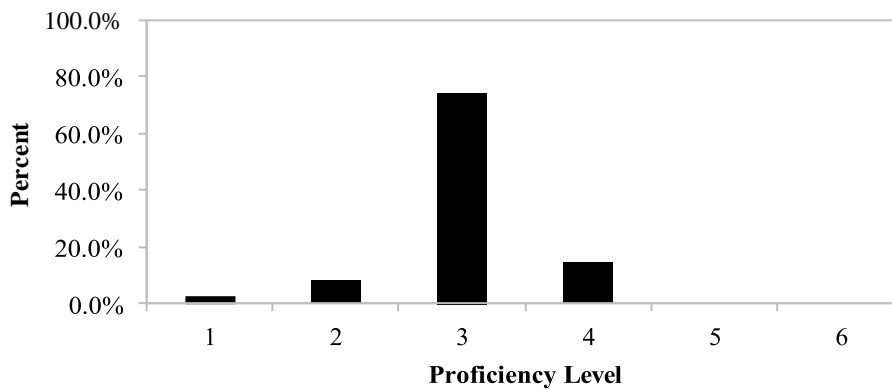
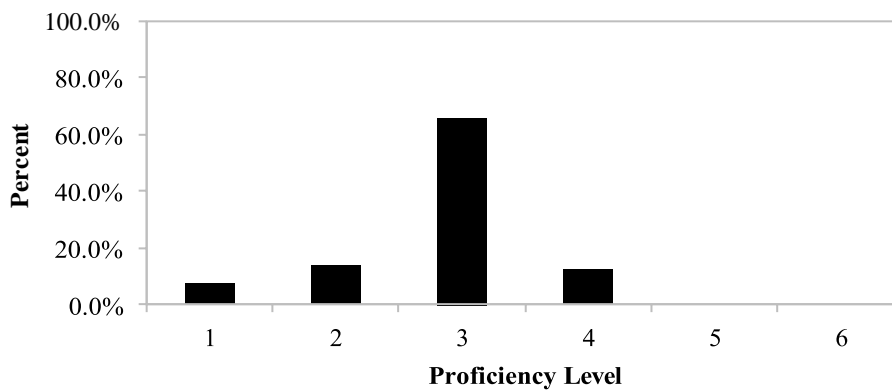


Table 2.5.3.3.3

Proficiency Level Distribution: Writ 3 S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	3,102	7.95%	3,102	7.95%
2	5,440	13.95%	5,440	13.95%
3	25,619	65.67%	25,619	65.67%
4	4,791	12.28%	4,791	12.28%
5	53	0.14%	53	0.14%
6	4	0.01%	4	0.01%
Total	39,009	100.00%	39,009	100.00%

Figure 2.5.3.3.3
Proficiency Level: Writ 3 S403 Paper



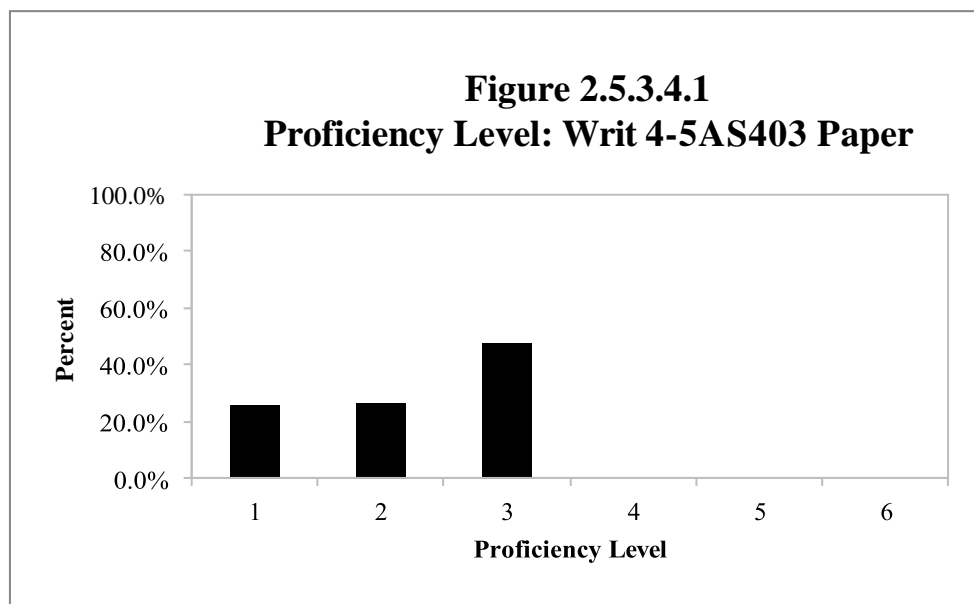
2.5.3.4 Grades 4–5

Table 2.5.3.4.1

Proficiency Level Distribution: Writ 4-5 A S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	1,502	28.17%	1,079	22.64%	2,581	25.56%
2	1,459	27.37%	1,192	25.02%	2,651	26.26%
3	2,342	43.93%	2,476	51.96%	4,818	47.72%
4	28	0.53%	18	0.38%	46	0.46%
5	0	0.00%	0	0.00%	0	0.00%
6	0	0.00%	0	0.00%	0	0.00%
Total	5,331	100.00%	4,765	100.00%	10,096	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



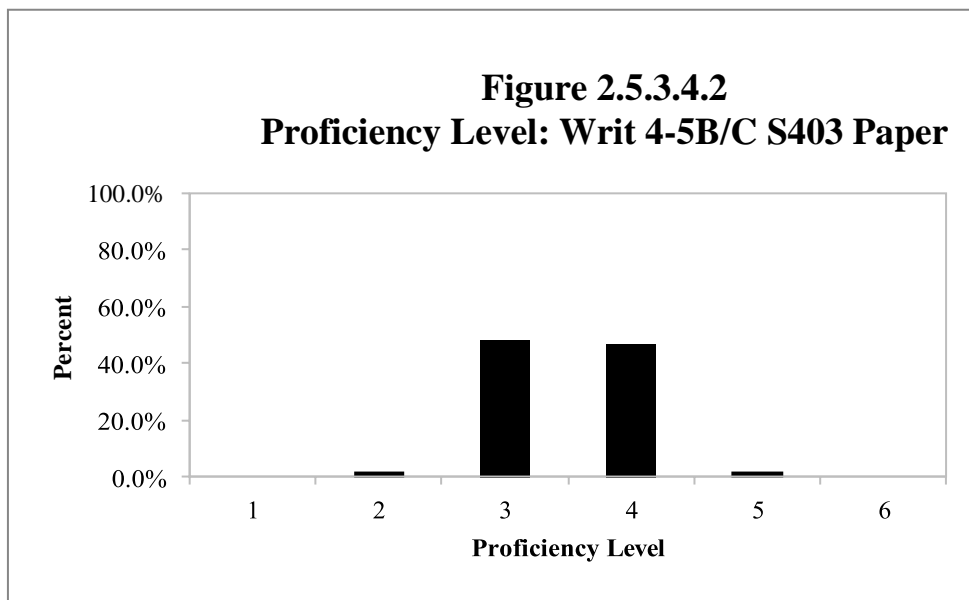
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.3.4.2

Proficiency Level Distribution: Writ 4-5 B/C S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	158	0.64%	131	0.60%	289	0.62%
2	540	2.17%	439	2.01%	979	2.10%
3	12,998	52.30%	9,562	43.78%	22,560	48.31%
4	10,639	42.81%	11,441	52.38%	22,080	47.28%
5	510	2.05%	263	1.20%	773	1.66%
6	9	0.04%	7	0.03%	16	0.03%
Total	24,854	100.00%	21,843	100.00%	46,697	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



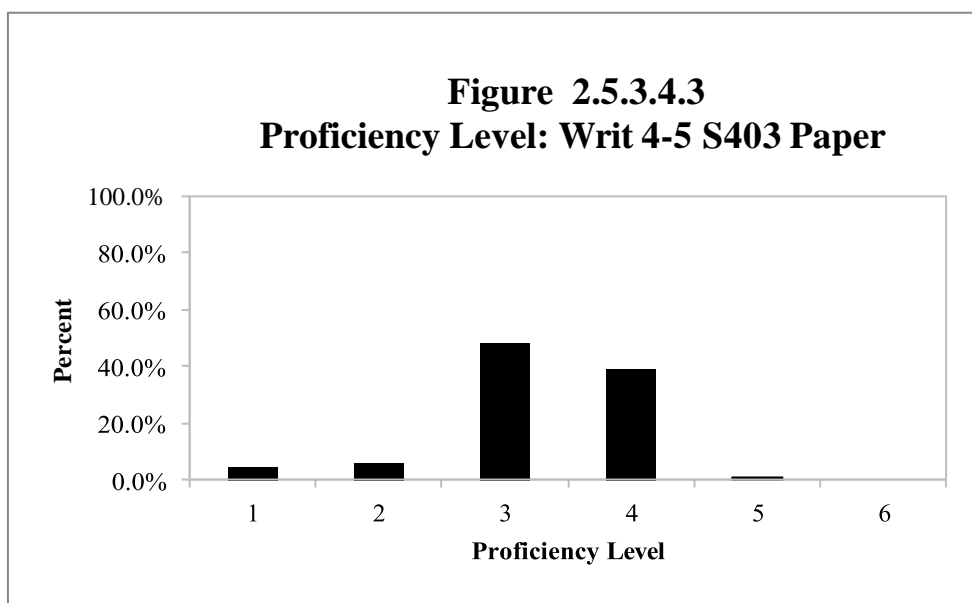
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.3.4.3

Proficiency Level Distribution: Writ 4-5 S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	1,660	5.50%	1,210	4.55%	2,870	5.05%
2	1,999	6.62%	1,631	6.13%	3,630	6.39%
3	15,340	50.82%	12,038	45.24%	27,378	48.21%
4	10,667	35.34%	11,459	43.07%	22,126	38.96%
5	510	1.69%	263	0.99%	773	1.36%
6	9	0.03%	7	0.03%	16	0.03%
Total	30,185	100.00%	26,608	100.00%	56,793	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

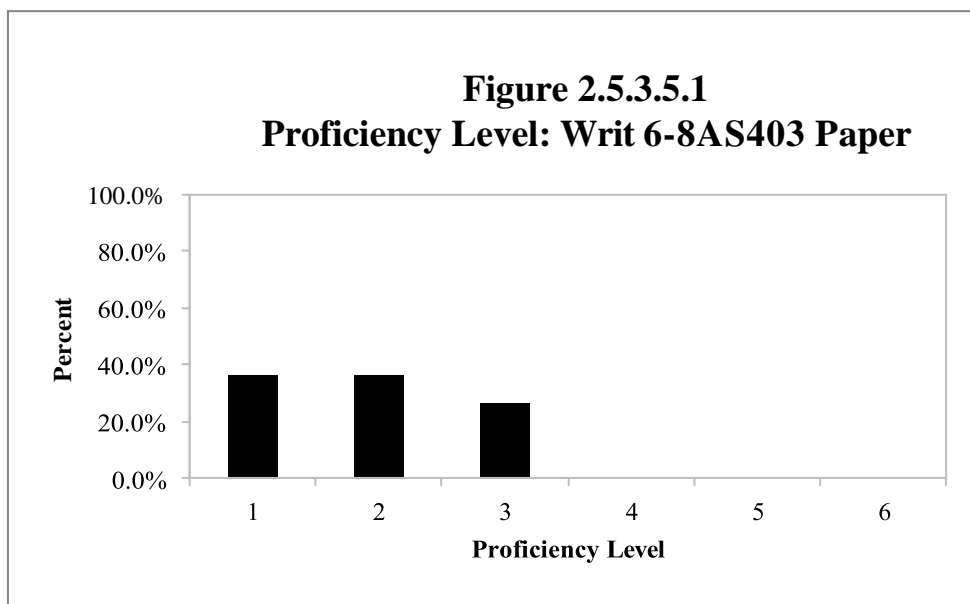
2.5.3.5 Grades 6–8

Table 2.5.3.5.1

Proficiency Level Distribution: Writ 6-8 A S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,524	32.11%	1,740	36.55%	1,956	41.34%	5,220	36.67%
2	1,697	35.76%	1,960	41.18%	1,539	32.53%	5,196	36.50%
3	1,507	31.75%	1,036	21.76%	1,223	25.85%	3,766	26.45%
4	18	0.38%	24	0.50%	13	0.27%	55	0.39%
5	0	0.00%	0	0.00%	0	0.00%	0	0.00%
6	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	4,746	100.00%	4,760	100.00%	4,731	100.00%	14,237	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



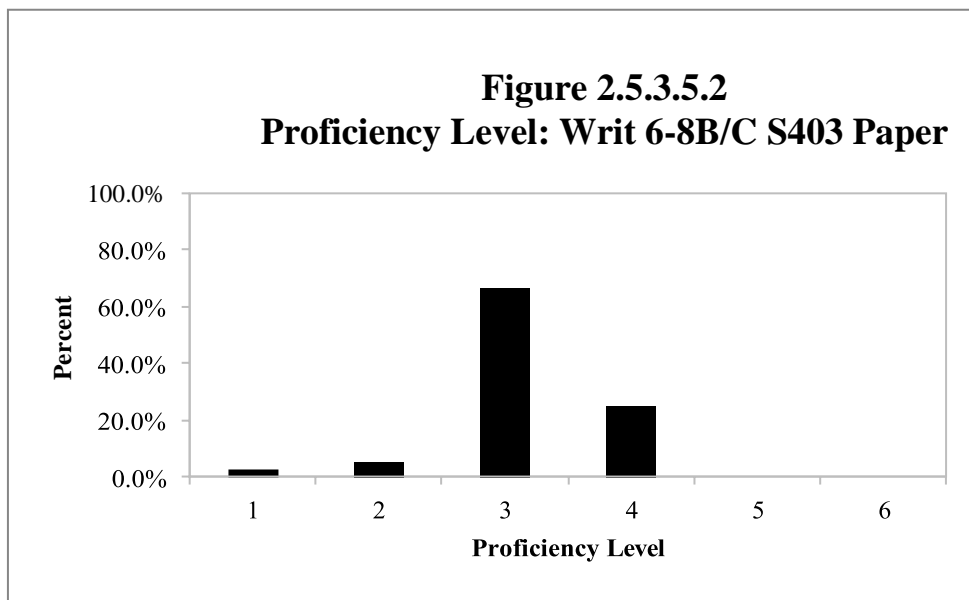
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.3.5.2

Proficiency Level Distribution: Writ 6-8 B/C S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	337	2.27%	346	2.48%	412	3.35%	1,095	2.66%
2	922	6.21%	843	6.04%	516	4.20%	2,281	5.55%
3	9,485	63.87%	9,347	66.95%	8,415	68.41%	27,247	66.28%
4	4,102	27.62%	3,418	24.48%	2,949	23.98%	10,469	25.47%
5	4	0.03%	7	0.05%	8	0.07%	19	0.05%
6	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	14,850	100.00%	13,961	100.00%	12,300	100.00%	41,111	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



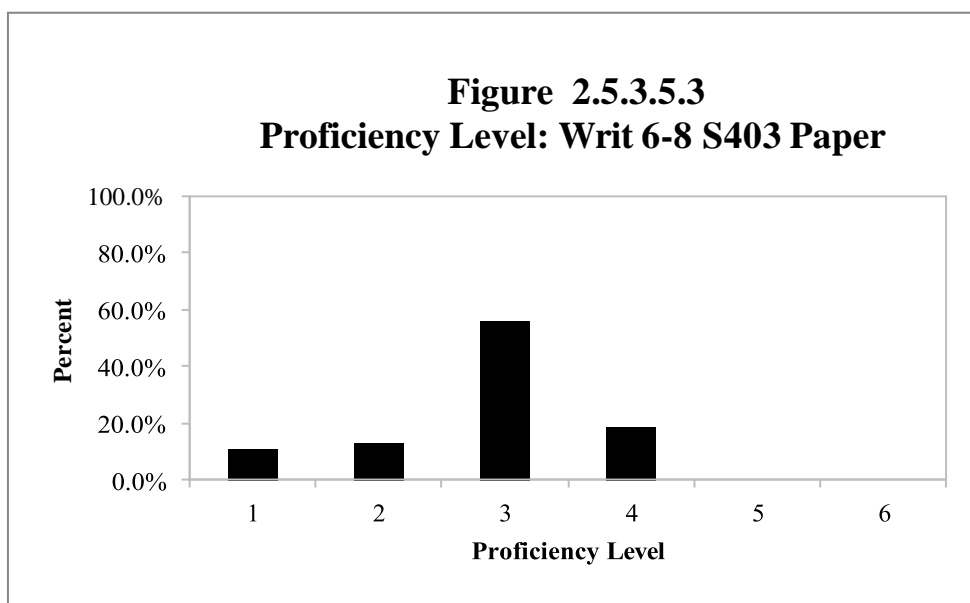
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.3.5.3

Proficiency Level Distribution: Writ 6-8 S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,861	9.50%	2,086	11.14%	2,368	13.90%	6,315	11.41%
2	2,619	13.36%	2,803	14.97%	2,055	12.07%	7,477	13.51%
3	10,992	56.09%	10,383	55.46%	9,638	56.59%	31,013	56.03%
4	4,120	21.02%	3,442	18.39%	2,962	17.39%	10,524	19.01%
5	4	0.02%	7	0.04%	8	0.05%	19	0.03%
6	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	19,596	100.00%	18,721	100.00%	17,031	100.00%	55,348	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

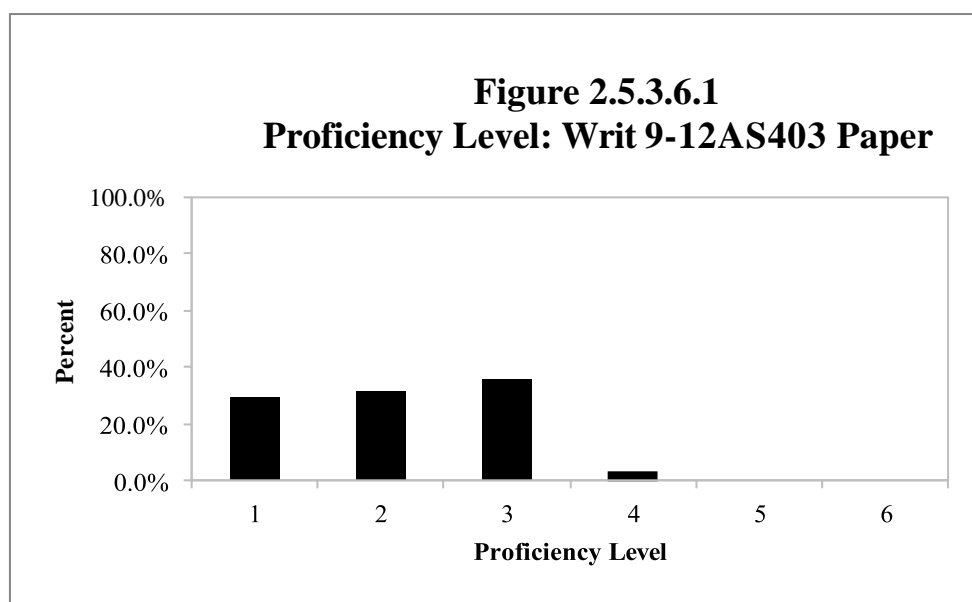
2.5.3.6 Grades 9–12

Table 2.5.3.6.1

Proficiency Level Distribution: Writ 9-12 A S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,536	27.97%	1,067	25.39%	1,043	30.04%	731	39.28%	4,377	29.13%
2	1,678	30.55%	1,494	35.55%	1,201	34.59%	383	20.58%	4,756	31.65%
3	1,999	36.40%	1,533	36.48%	1,166	33.58%	707	37.99%	5,405	35.97%
4	278	5.06%	108	2.57%	62	1.79%	40	2.15%	488	3.25%
5	1	0.02%	0	0.00%	0	0.00%	0	0.00%	1	0.01%
6	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	5,492	100.00%	4,202	100.00%	3,472	100.00%	1,861	100.00%	15,027	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



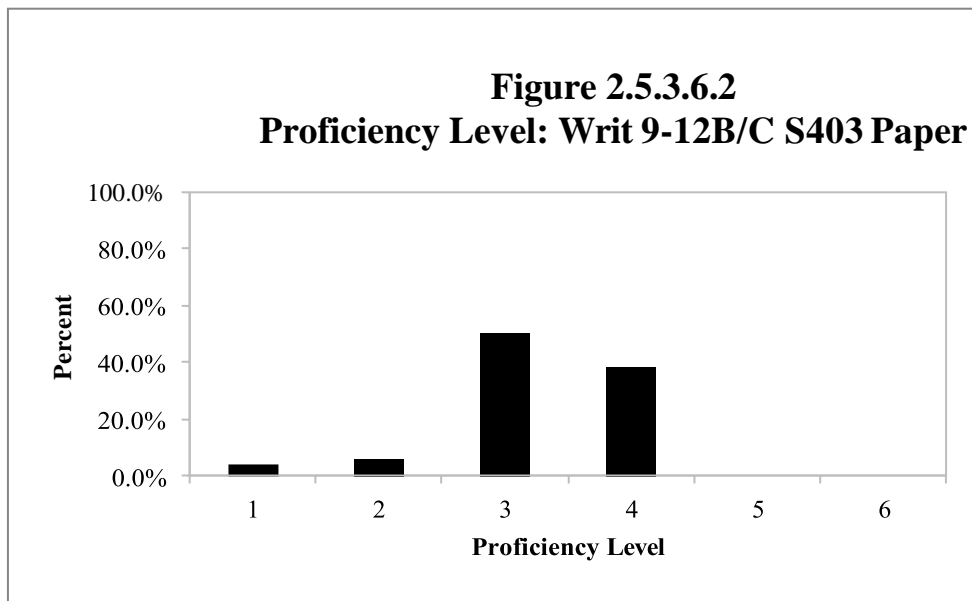
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.3.6.2

Proficiency Level Distribution: Writ 9-12 B/C S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	214	1.93%	356	3.28%	413	4.19%	543	7.88%	1,526	3.94%
2	492	4.44%	593	5.46%	699	7.09%	523	7.59%	2,307	5.96%
3	5,112	46.15%	5,354	49.26%	4,752	48.22%	4,430	64.30%	19,648	50.78%
4	5,142	46.42%	4,513	41.52%	3,955	40.13%	1,391	20.19%	15,001	38.77%
5	116	1.05%	53	0.49%	36	0.37%	3	0.04%	208	0.54%
6	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
Total	11,077	100.00%	10,869	100.00%	9,855	100.00%	6,890	100.00%	38,691	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



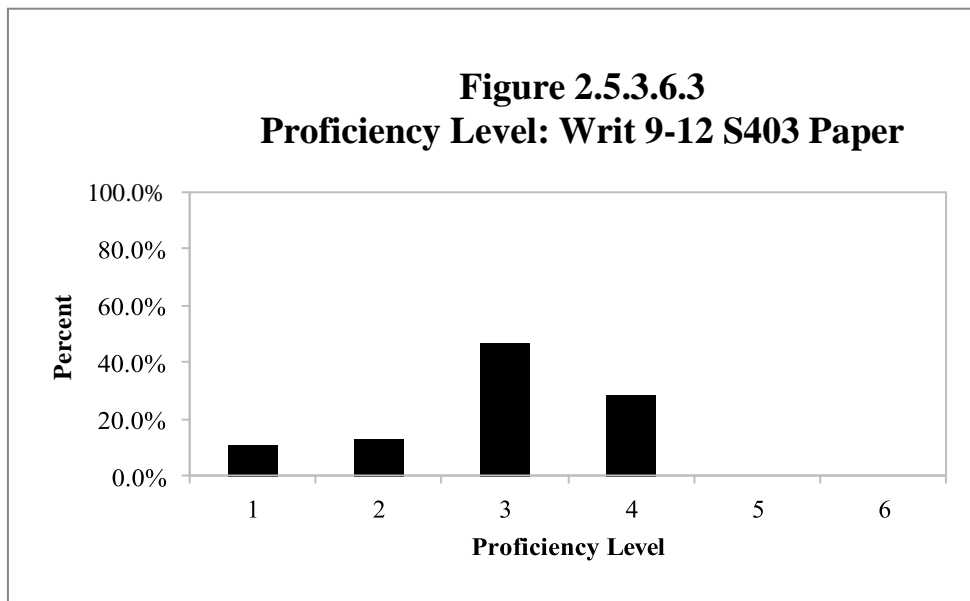
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.3.6.3

Proficiency Level Distribution: Writ 9-12 S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,750	10.56%	1,423	9.44%	1,456	10.93%	1,274	14.56%	5,903	10.99%
2	2,170	13.10%	2,087	13.85%	1,900	14.26%	906	10.35%	7,063	13.15%
3	7,111	42.92%	6,887	45.70%	5,918	44.41%	5,137	58.70%	25,053	46.64%
4	5,420	32.71%	4,621	30.66%	4,017	30.14%	1,431	16.35%	15,489	28.83%
5	117	0.71%	53	0.35%	36	0.27%	3	0.03%	209	0.39%
6	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
Total	16,569	100.00%	15,071	100.00%	13,327	100.00%	8,751	100.00%	53,718	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

2.5.4 Speaking

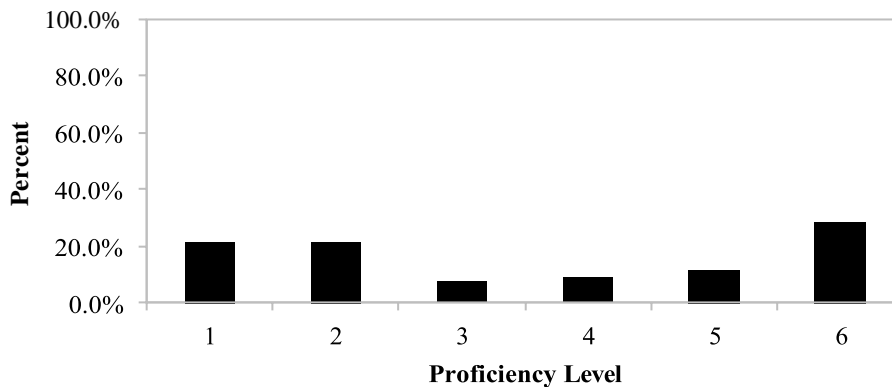
2.5.4.0 Kindergarten

Table 2.5.4.0

Proficiency Level Distribution: Spek K S403 Paper

Level	Grade K		Total	
	Count	Percent	Count	Percent
1	50,331	21.65%	50,331	21.65%
2	49,563	21.32%	49,563	21.32%
3	18,232	7.84%	18,232	7.84%
4	20,399	8.78%	20,399	8.78%
5	26,781	11.52%	26,781	11.52%
6	67,158	28.89%	67,158	28.89%
Total	232,464	100.00%	232,464	100.00%

Figure 2.5.4.0
Proficiency Level: Spek K S403 Paper



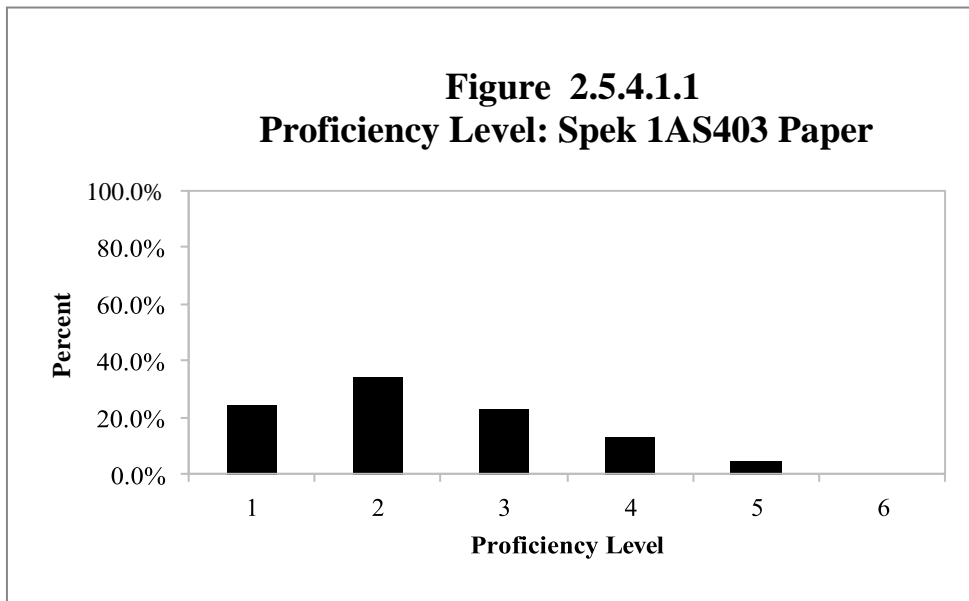
2.5.4.1 Grade 1

Table 2.5.4.1.1

Proficiency Level Distribution: Spek 1 A S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	5,978	24.60%	5,978	24.60%
2	8,351	34.36%	8,351	34.36%
3	5,537	22.78%	5,537	22.78%
4	3,279	13.49%	3,279	13.49%
5	1,160	4.77%	1,160	4.77%
6	0	0.00%	0	0.00%
Total	24,305	100.00%	24,305	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



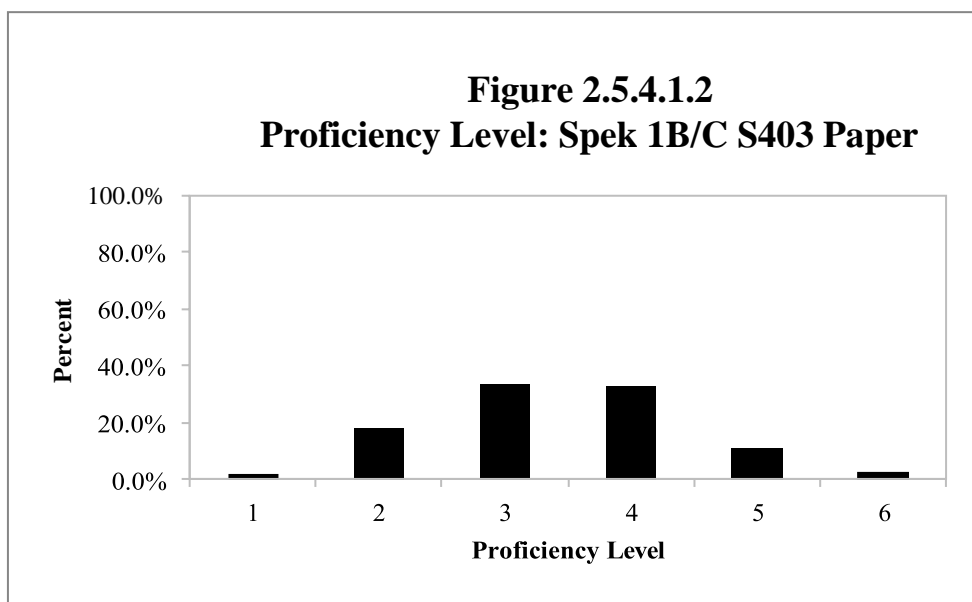
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.1.2

Proficiency Level Distribution: Spek 1 B/C S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	410	1.72%	410	1.72%
2	4,284	18.01%	4,284	18.01%
3	7,941	33.39%	7,941	33.39%
4	7,873	33.10%	7,873	33.10%
5	2,569	10.80%	2,569	10.80%
6	708	2.98%	708	2.98%
Total	23,785	100.00%	23,785	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



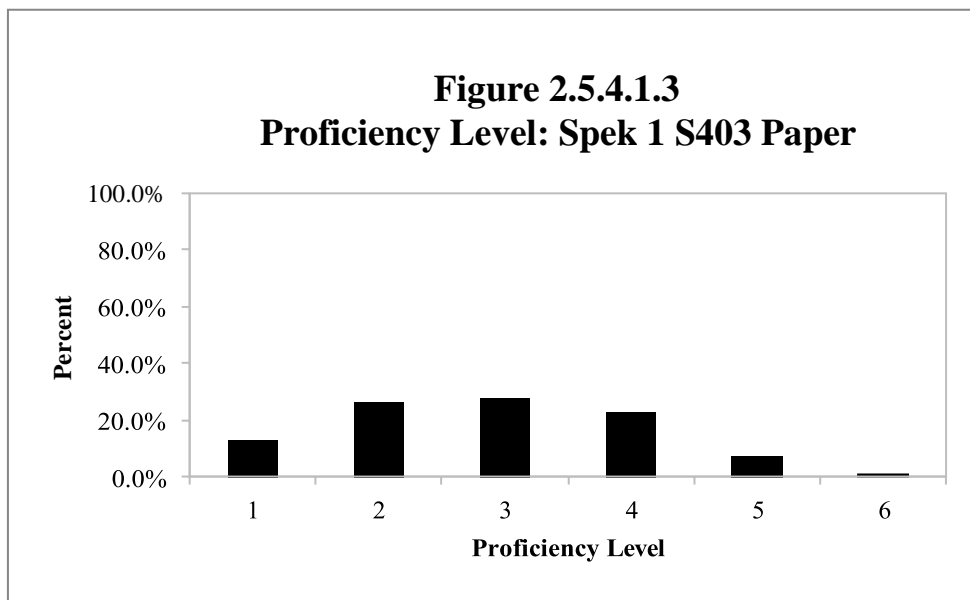
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.1.3

Proficiency Level Distribution: Spek 1 S403 Paper

Level	Grade 1		Total	
	Count	Percent	Count	Percent
1	6,388	13.28%	6,388	13.28%
2	12,635	26.27%	12,635	26.27%
3	13,478	28.03%	13,478	28.03%
4	11,152	23.19%	11,152	23.19%
5	3,729	7.75%	3,729	7.75%
6	708	1.47%	708	1.47%
Total	48,090	100.00%	48,090	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

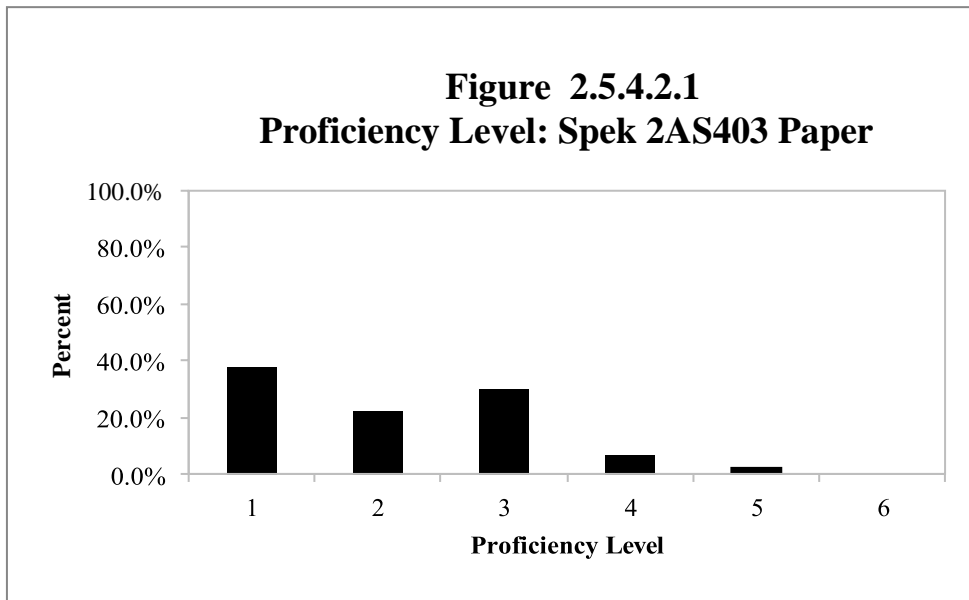
2.5.4.2 Grade 2

Table 2.5.4.2.1

Proficiency Level Distribution: Spek 2 A S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	3,754	37.60%	3,754	37.60%
2	2,206	22.09%	2,206	22.09%
3	3,021	30.26%	3,021	30.26%
4	715	7.16%	715	7.16%
5	289	2.89%	289	2.89%
6	0	0.00%	0	0.00%
Total	9,985	100.00%	9,985	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



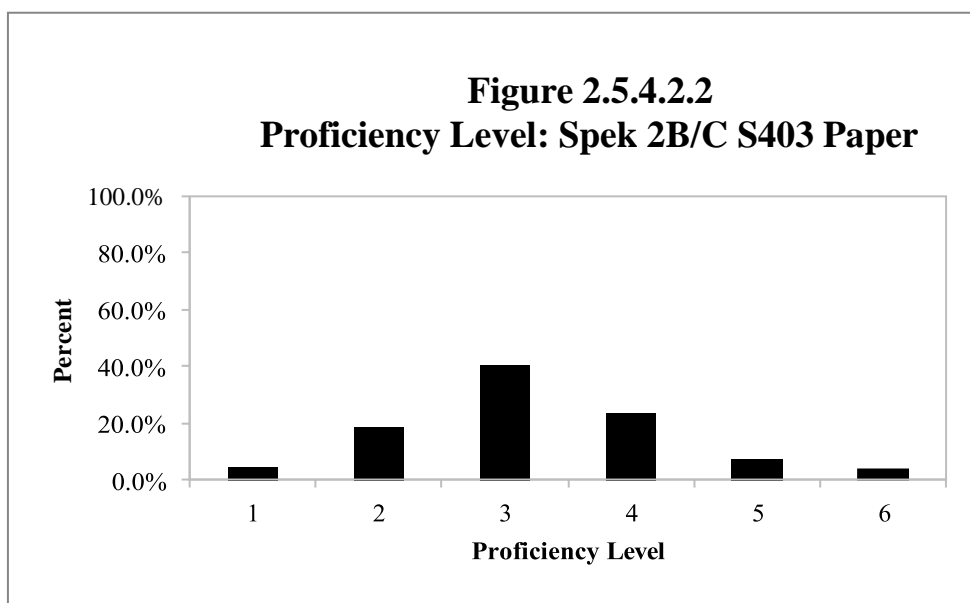
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.2.2

Proficiency Level Distribution: Spek 2 B/C S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	1,642	4.78%	1,642	4.78%
2	6,507	18.95%	6,507	18.95%
3	14,045	40.91%	14,045	40.91%
4	8,088	23.56%	8,088	23.56%
5	2,670	7.78%	2,670	7.78%
6	1,379	4.02%	1,379	4.02%
Total	34,331	100.00%	34,331	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



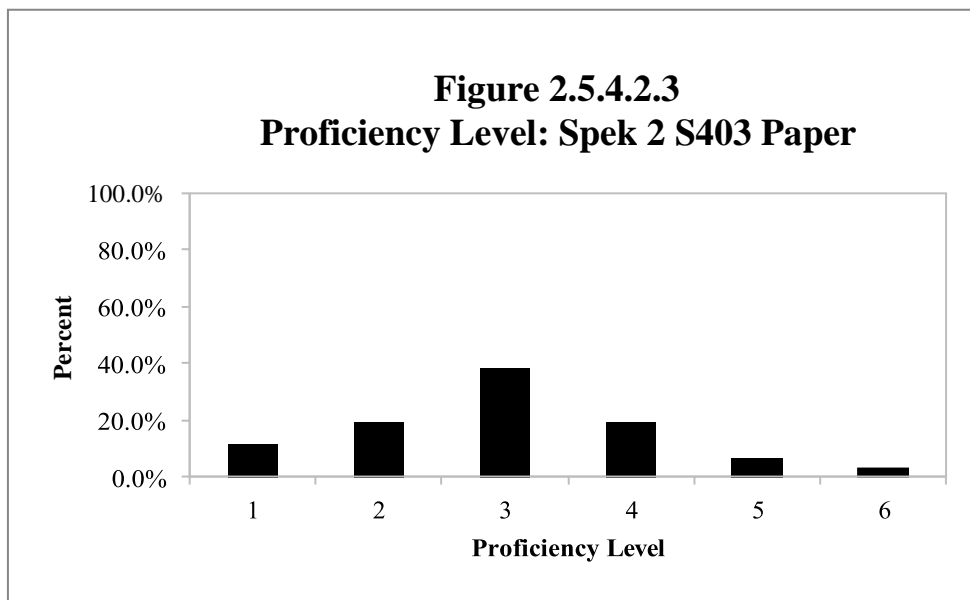
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.2.3

Proficiency Level Distribution: Spek 2 S403 Paper

Level	Grade 2		Total	
	Count	Percent	Count	Percent
1	5,396	12.18%	5,396	12.18%
2	8,713	19.66%	8,713	19.66%
3	17,066	38.51%	17,066	38.51%
4	8,803	19.86%	8,803	19.86%
5	2,959	6.68%	2,959	6.68%
6	1,379	3.11%	1,379	3.11%
Total	44,316	100.00%	44,316	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

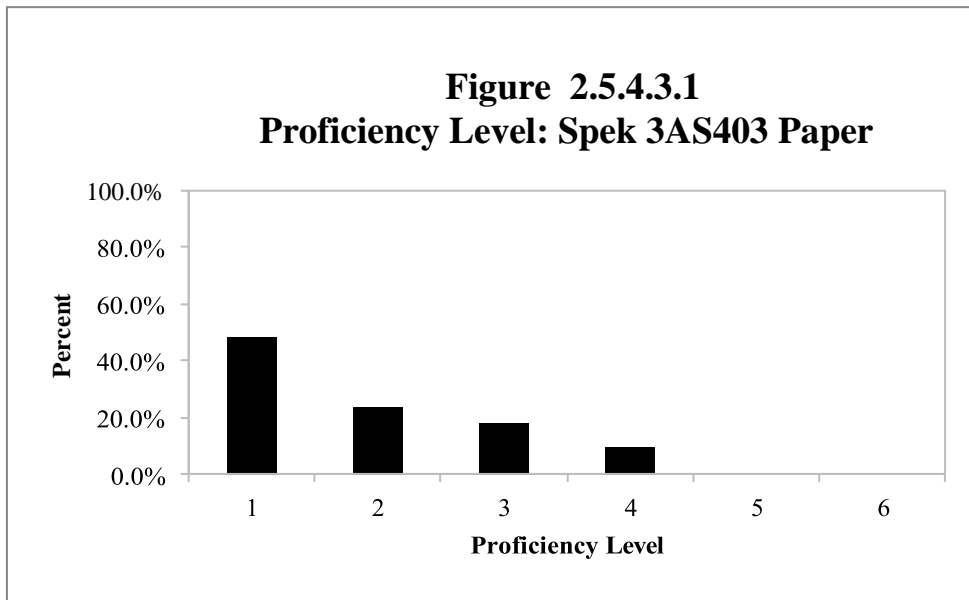
2.5.4.3 Grade 3

Table 2.5.4.3.1

Proficiency Level Distribution: Spek 3 A S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	3,312	48.29%	3,312	48.29%
2	1,637	23.87%	1,637	23.87%
3	1,234	17.99%	1,234	17.99%
4	676	9.86%	676	9.86%
5	0	0.00%	0	0.00%
6	0	0.00%	0	0.00%
Total	6,859	100.00%	6,859	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



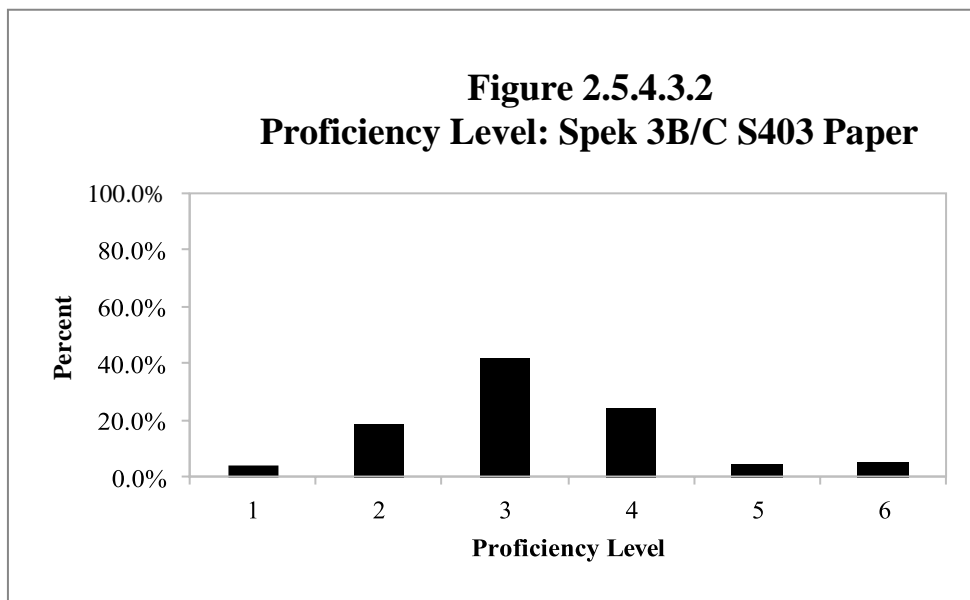
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.3.2

Proficiency Level Distribution: Spek 3 B/C S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	1,390	4.41%	1,390	4.41%
2	6,011	19.05%	6,011	19.05%
3	13,202	41.84%	13,202	41.84%
4	7,722	24.47%	7,722	24.47%
5	1,513	4.79%	1,513	4.79%
6	1,716	5.44%	1,716	5.44%
Total	31,554	100.00%	31,554	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



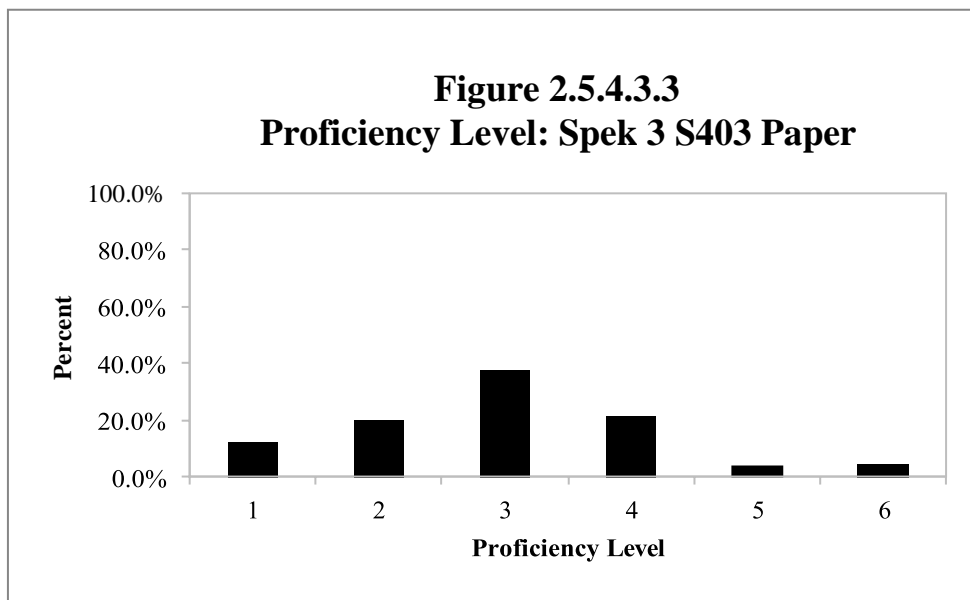
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.3.3

Proficiency Level Distribution: Spek 3 S403 Paper

Level	Grade 3		Total	
	Count	Percent	Count	Percent
1	4,702	12.24%	4,702	12.24%
2	7,648	19.91%	7,648	19.91%
3	14,436	37.58%	14,436	37.58%
4	8,398	21.86%	8,398	21.86%
5	1,513	3.94%	1,513	3.94%
6	1,716	4.47%	1,716	4.47%
Total	38,413	100.00%	38,413	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

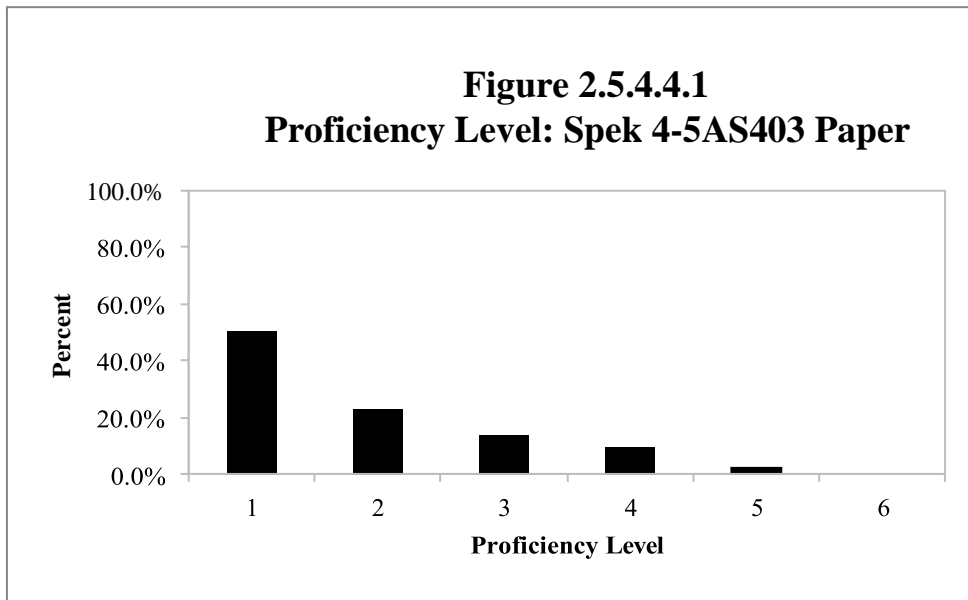
2.5.4.4 Grades 4–5

Table 2.5.4.4.1

Proficiency Level Distribution: Spek 4-5 A S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	2,531	47.81%	2,544	53.64%	5,075	50.56%
2	1,450	27.39%	895	18.87%	2,345	23.36%
3	714	13.49%	692	14.59%	1,406	14.01%
4	431	8.14%	532	11.22%	963	9.59%
5	168	3.17%	80	1.69%	248	2.47%
6	0	0.00%	0	0.00%	0	0.00%
Total	5,294	100.00%	4,743	100.00%	10,037	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



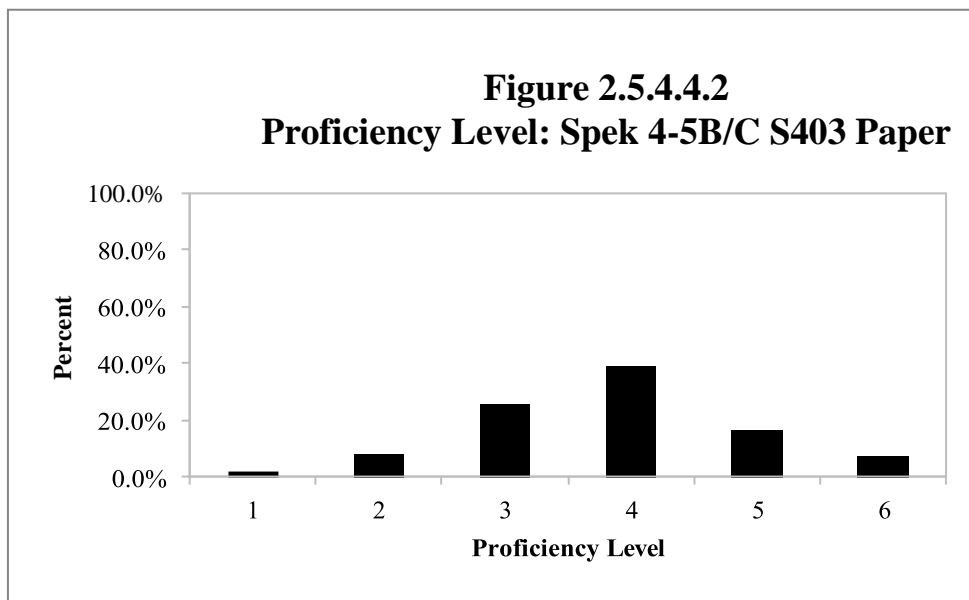
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.4.2

Proficiency Level Distribution: Spek 4-5 B/C S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	414	1.67%	432	1.98%	846	1.82%
2	2,057	8.30%	1,893	8.69%	3,950	8.48%
3	6,269	25.30%	5,779	26.52%	12,048	25.87%
4	9,759	39.38%	8,484	38.93%	18,243	39.17%
5	4,080	16.46%	3,706	17.01%	7,786	16.72%
6	2,203	8.89%	1,497	6.87%	3,700	7.94%
Total	24,782	100.00%	21,791	100.00%	46,573	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



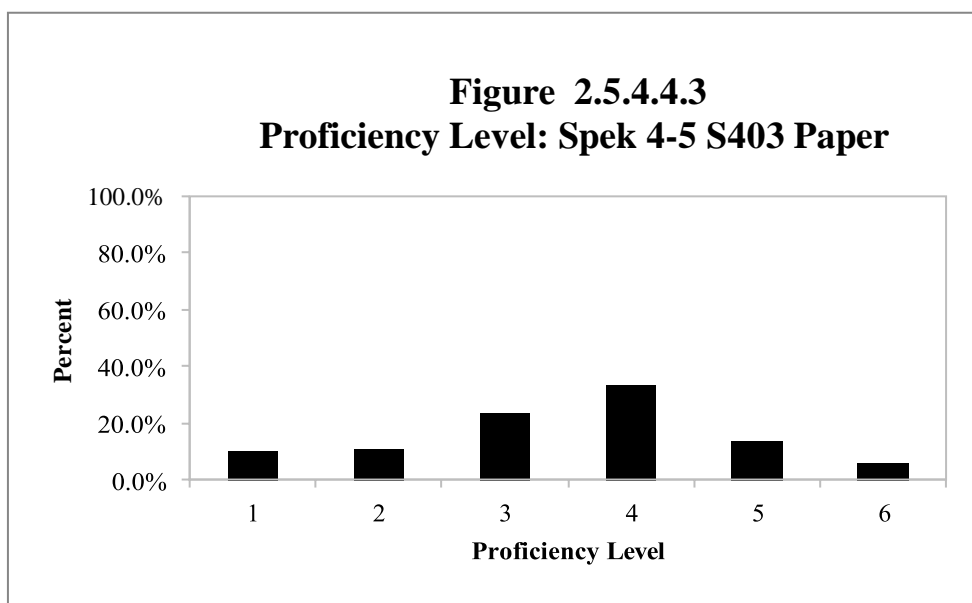
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.4.3

Proficiency Level Distribution: Spek 4-5 S403 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	2,945	9.79%	2,976	11.22%	5,921	10.46%
2	3,507	11.66%	2,788	10.51%	6,295	11.12%
3	6,983	23.22%	6,471	24.39%	13,454	23.77%
4	10,190	33.88%	9,016	33.98%	19,206	33.93%
5	4,248	14.12%	3,786	14.27%	8,034	14.19%
6	2,203	7.32%	1,497	5.64%	3,700	6.54%
Total	30,076	100.00%	26,534	100.00%	56,610	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

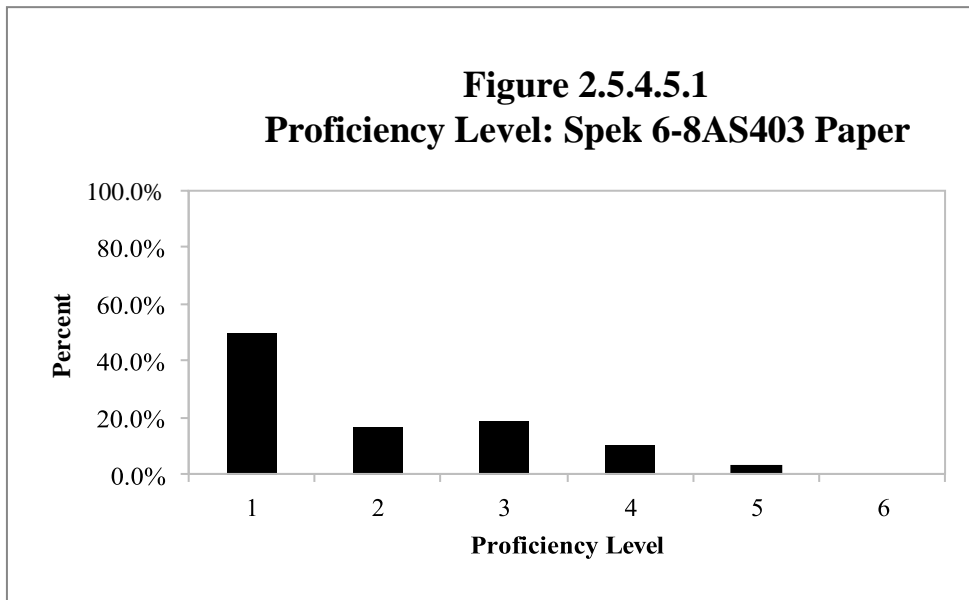
2.5.4.5 Grades 6–8

Table 2.5.4.5.1

Proficiency Level Distribution: Spek 6-8 A S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	2,172	46.06%	2,184	46.16%	2,684	57.08%	7,040	49.76%
2	980	20.78%	962	20.33%	475	10.10%	2,417	17.08%
3	829	17.58%	844	17.84%	1,025	21.80%	2,698	19.07%
4	508	10.77%	600	12.68%	331	7.04%	1,439	10.17%
5	176	3.73%	77	1.63%	187	3.98%	440	3.11%
6	51	1.08%	64	1.35%	0	0.00%	115	0.81%
Total	4,716	100.00%	4,731	100.00%	4,702	100.00%	14,149	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



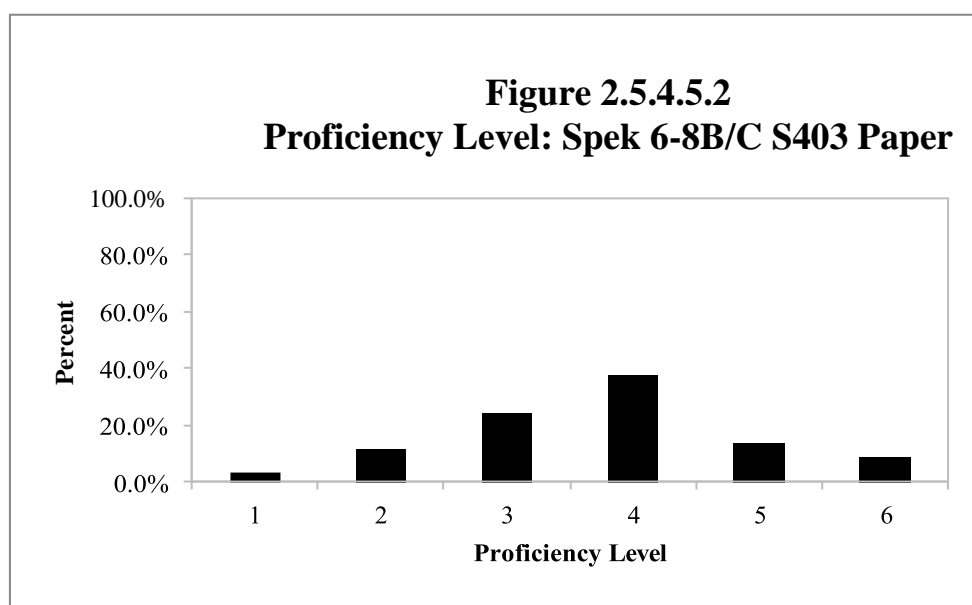
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.5.2

Proficiency Level Distribution: Spek 6-8 B/C S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	302	2.04%	459	3.30%	572	4.67%	1,333	3.25%
2	1,921	12.99%	1,468	10.55%	1,447	11.81%	4,836	11.81%
3	3,859	26.10%	3,264	23.45%	2,964	24.20%	10,087	24.63%
4	5,337	36.09%	5,836	41.93%	4,213	34.40%	15,386	37.57%
5	2,133	14.42%	1,453	10.44%	2,097	17.12%	5,683	13.88%
6	1,235	8.35%	1,438	10.33%	955	7.80%	3,628	8.86%
Total	14,787	100.00%	13,918	100.00%	12,248	100.00%	40,953	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



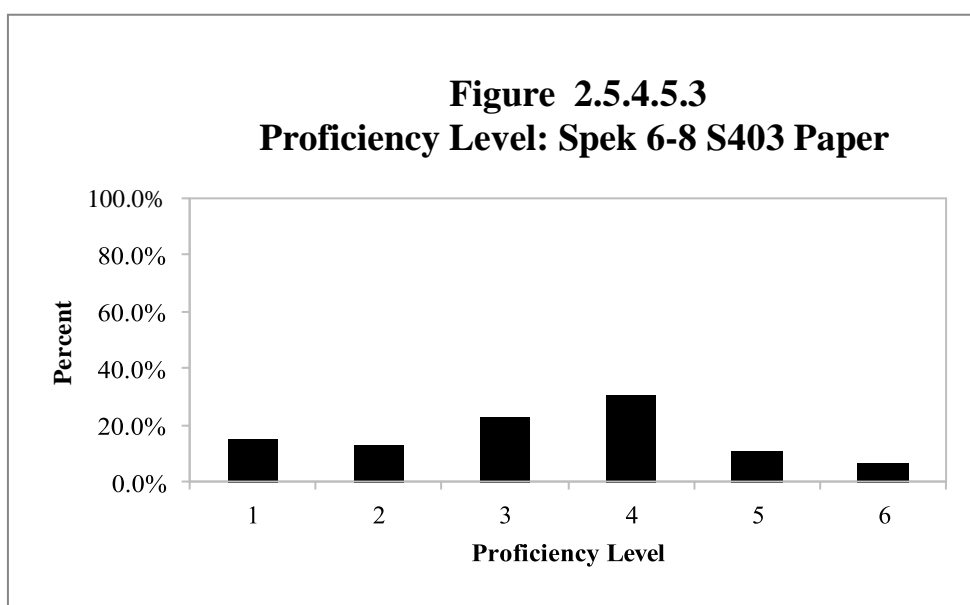
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.5.3

Proficiency Level Distribution: Spek 6-8 S403 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	2,474	12.69%	2,643	14.17%	3,256	19.21%	8,373	15.20%
2	2,901	14.87%	2,430	13.03%	1,922	11.34%	7,253	13.16%
3	4,688	24.04%	4,108	22.03%	3,989	23.53%	12,785	23.20%
4	5,845	29.97%	6,436	34.51%	4,544	26.81%	16,825	30.53%
5	2,309	11.84%	1,530	8.20%	2,284	13.47%	6,123	11.11%
6	1,286	6.59%	1,502	8.05%	955	5.63%	3,743	6.79%
Total	19,503	100.00%	18,649	100.00%	16,950	100.00%	55,102	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

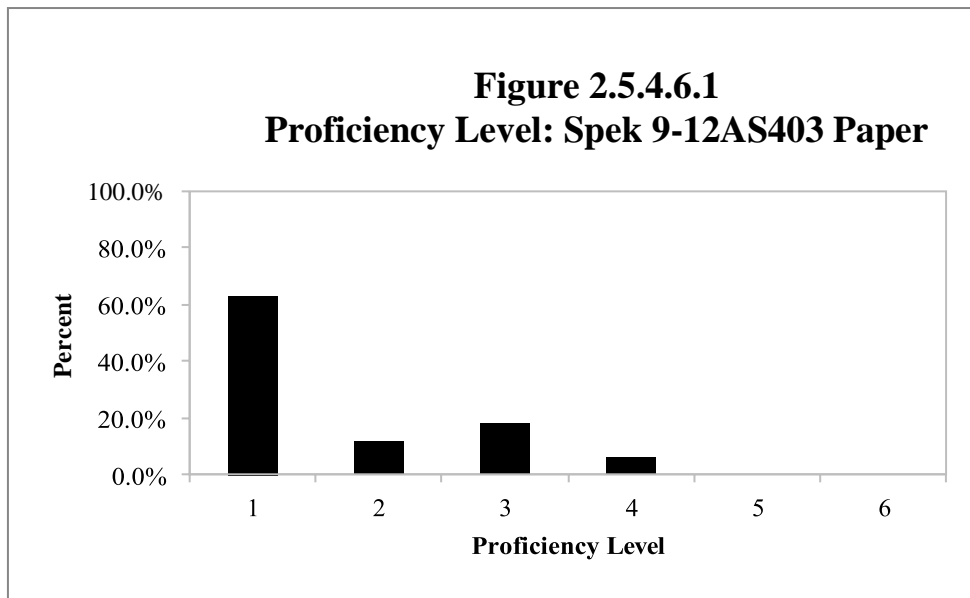
2.5.4.6 Grades 9–12

Table 2.5.4.6.1

Proficiency Level Distribution: Spek 9-12 A S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	3,675	67.46%	2,664	63.73%	2,072	60.30%	990	53.69%	9,401	63.06%
2	520	9.54%	445	10.65%	429	12.49%	392	21.26%	1,786	11.98%
3	908	16.67%	774	18.52%	690	20.08%	353	19.14%	2,725	18.28%
4	228	4.19%	297	7.11%	245	7.13%	109	5.91%	879	5.90%
5	117	2.15%	0	0.00%	0	0.00%	0	0.00%	117	0.78%
6	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	5,448	100.00%	4,180	100.00%	3,436	100.00%	1,844	100.00%	14,908	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



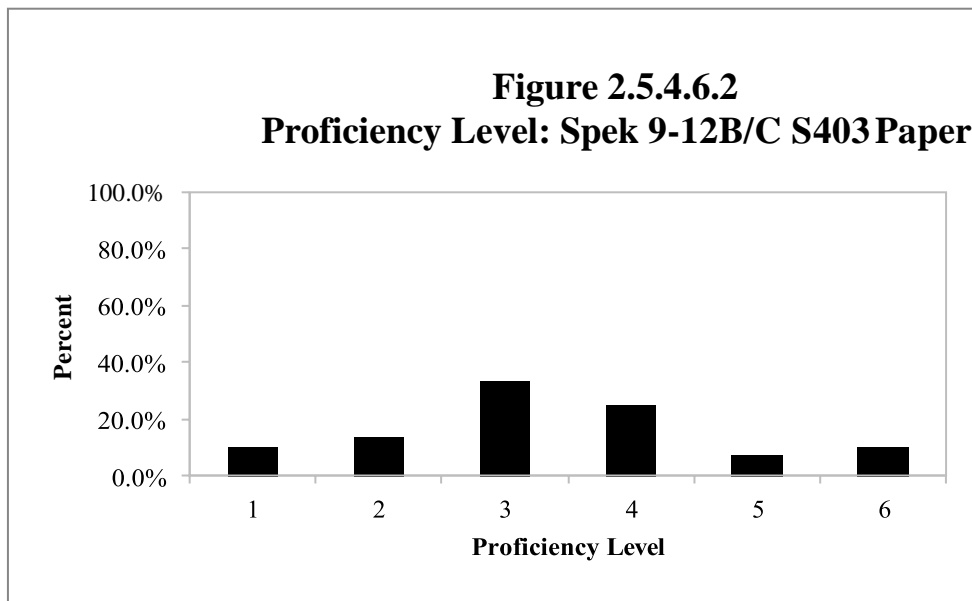
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.6.2

Proficiency Level Distribution: Spek 9-12 B/C S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	775	7.03%	1,181	10.92%	1,001	10.20%	953	13.91%	3,910	10.16%
2	1,677	15.20%	1,391	12.87%	1,180	12.03%	1,050	15.33%	5,298	13.76%
3	3,381	30.65%	3,188	29.49%	3,667	37.38%	2,622	38.27%	12,858	33.40%
4	2,841	25.76%	3,299	30.51%	2,281	23.25%	1,156	16.87%	9,577	24.87%
5	1,285	11.65%	631	5.84%	591	6.03%	349	5.09%	2,856	7.42%
6	1,071	9.71%	1,122	10.38%	1,089	11.10%	721	10.52%	4,003	10.40%
Total	11,030	100.00%	10,812	100.00%	9,809	100.00%	6,851	100.00%	38,502	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



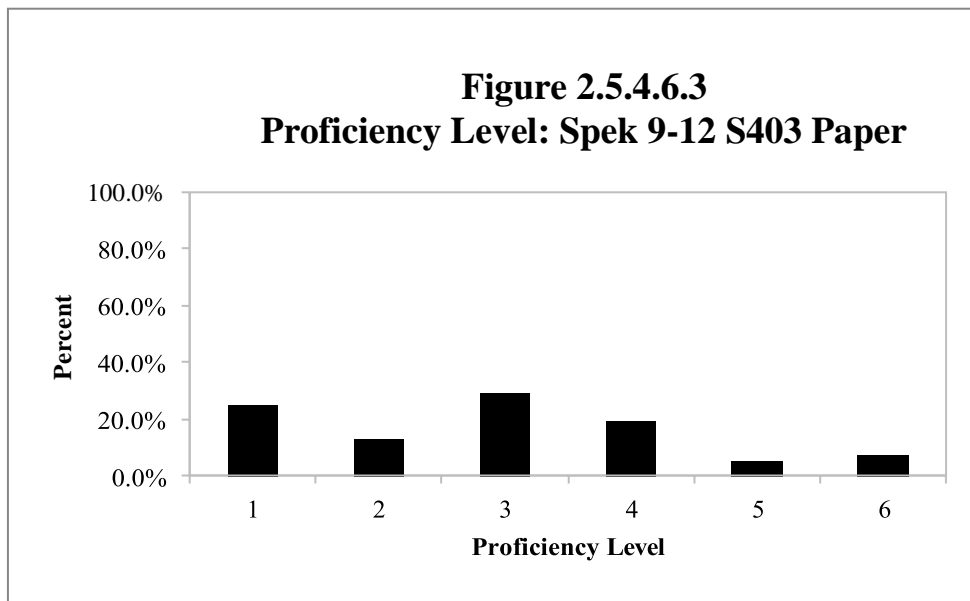
Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

Table 2.5.4.6.3

Proficiency Level Distribution: Spek 9-12 S403 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	4,450	27.01%	3,845	25.65%	3,073	23.20%	1,943	22.35%	13,311	24.92%
2	2,197	13.33%	1,836	12.25%	1,609	12.15%	1,442	16.58%	7,084	13.26%
3	4,289	26.03%	3,962	26.43%	4,357	32.90%	2,975	34.22%	15,583	29.18%
4	3,069	18.62%	3,596	23.99%	2,526	19.07%	1,265	14.55%	10,456	19.58%
5	1,402	8.51%	631	4.21%	591	4.46%	349	4.01%	2,973	5.57%
6	1,071	6.50%	1,122	7.48%	1,089	8.22%	721	8.29%	4,003	7.49%
Total	16,478	100.00%	14,992	100.00%	13,245	100.00%	8,695	100.00%	53,410	100.00%

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.



Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from the other states' results, they are excluded from this analysis.

2.6 Raw Score to Scale Score to Proficiency Level Conversion

This section presents raw score to scale score conversions and associated proficiency levels for each test form.

The first column shows all possible raw scores. The following column shows the corresponding scale score. The next column shows the conditional standard error of measurement (CSEM) in the metric of the scale score, multiplied by 1.96. This is the confidence band as reported on students' score reports. Following the CSEM, columns provide the proficiency level interpretation for each grade in the grade-level cluster.

Note that raw scores of zero are truncated where necessary so that the lowest scale score given is the scale score corresponding to a proficiency level score of 1.0.

2.6.1 Listening

2.6.1.0 Kindergarten

Table 2.6.1.0

Raw Score to Scale Score to Proficiency Level Conversion: List K S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for K
0	100	45	1.0
1	100	45	1.0
2	100	45	1.0
3	100	45	1.0
4	100	45	1.0
5	100	45	1.0
6	100	45	1.0
7	114	44	1.1
8	127	41	1.2
9	139	40	1.3
10	150	39	1.3
11	160	38	1.4
12	170	37	1.5
13	180	36	1.6
14	189	36	1.6
15	198	35	1.7
16	207	35	1.8
17	215	35	1.8
18	224	35	1.9
19	232	35	2.1
20	241	35	2.5
21	250	36	2.9
22	259	36	3.2
23	269	37	3.6
24	279	39	4.1
25	290	41	5.1
26	303	44	5.7
27	318	49	6.0
28	333	55	6.0
29	348	64	6.0
30	363	74	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.1.1 Grade 1

Table 2.6.1.1.1

Raw Score to Scale Score to Proficiency Level Conversion: List 1 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G1
0	104	93	1.0
1	121	77	1.1
2	150	56	1.3
3	169	48	1.4
4	184	43	1.6
5	197	41	1.7
6	208	39	1.7
7	218	38	1.8
8	228	37	1.9
9	238	37	2.0
10	247	37	2.4
11	257	38	2.9
12	268	39	3.2
13	279	41	3.6
14	292	44	4.0
15	307	49	5.1
16	322	55	5.7
17	337	63	6.0
18	352	73	6.0

Note: The test form is shared between 1A and 2A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.1.1.2

Raw Score to Scale Score to Proficiency Level Conversion: List 1 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G1
0	104	125	1.0
1	145	77	1.3
2	175	57	1.5
3	194	49	1.6
4	209	44	1.7
5	222	41	1.8
6	233	39	1.9
7	244	38	2.3
8	254	37	2.7
9	263	36	3.1
10	272	36	3.4
11	282	36	3.7
12	291	36	4.0
13	300	37	4.7
14	310	38	5.2
15	321	39	5.7
16	332	41	6.0
17	345	44	6.0
18	360	49	6.0
19	375	55	6.0
20	390	63	6.0
21	405	73	6.0

Note: The test form is shared between 1B/C and 2B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.1.2 Grade 2

Table 2.6.1.2.1

Raw Score to Scale Score to Proficiency Level Conversion: List 2 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G2
0	112	84	1.0
1	121	77	1.0
2	150	56	1.3
3	169	48	1.4
4	184	43	1.5
5	197	41	1.6
6	208	39	1.7
7	218	38	1.8
8	228	37	1.8
9	238	37	1.9
10	247	37	2.0
11	257	38	2.3
12	268	39	2.6
13	279	41	2.8
14	292	44	3.2
15	307	49	3.7
16	322	55	4.5
17	337	63	5.2
18	352	73	5.9

Note: The test form is shared between 1A and 2A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.1.2.2

Raw Score to Scale Score to Proficiency Level Conversion: List 2 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G2
0	112	113	1.0
1	145	77	1.2
2	175	57	1.4
3	194	49	1.6
4	209	44	1.7
5	222	41	1.8
6	233	39	1.9
7	244	38	1.9
8	254	37	2.2
9	263	36	2.4
10	272	36	2.7
11	282	36	2.9
12	291	36	3.2
13	300	37	3.5
14	310	38	3.8
15	321	39	4.4
16	332	41	5.0
17	345	44	5.6
18	360	49	6.0
19	375	55	6.0
20	390	63	6.0
21	405	73	6.0

Note: The test form is shared between 1B/C and 2B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.1.3 Grade 3

Table 2.6.1.3.1

Raw Score to Scale Score to Proficiency Level Conversion: List 3 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G3
0	112	181	1.0
1	184	79	1.4
2	216	58	1.6
3	236	49	1.8
4	251	44	1.9
5	264	41	2.0
6	275	39	2.3
7	286	37	2.6
8	295	37	2.8
9	305	36	3.1
10	314	36	3.4
11	324	37	3.7
12	334	38	4.1
13	344	40	4.7
14	356	43	5.2
15	371	47	5.8
16	386	54	6.0
17	401	63	6.0
18	416	74	6.0

Note: The test form is shared between 3A and 4-5A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.1.3.2

Raw Score to Scale Score to Proficiency Level Conversion: List 3 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G3
0	112	225	1.0
1	201	80	1.5
2	234	60	1.8
3	256	51	1.9
4	272	46	2.2
5	286	43	2.6
6	299	41	2.9
7	310	39	3.3
8	320	38	3.6
9	330	37	3.9
10	339	36	4.4
11	349	36	5.0
12	358	36	5.3
13	368	37	5.7
14	377	37	6.0
15	387	39	6.0
16	399	40	6.0
17	411	43	6.0
18	426	48	6.0
19	441	55	6.0
20	456	64	6.0
21	471	74	6.0

Note: The test form is shared between 3B/C and 4-5B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.1.4 Grades 4–5

Table 2.6.1.4.1

Raw Score to Scale Score to Proficiency Level Conversion: List 4-5 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5
0	120	164	1.0	1.0
1	184	79	1.4	1.3
2	216	58	1.6	1.5
3	236	49	1.7	1.7
4	251	44	1.8	1.7
5	264	41	1.9	1.8
6	275	39	2.0	1.9
7	286	37	2.2	2.0
8	295	37	2.5	2.2
9	305	36	2.7	2.5
10	314	36	3.0	2.7
11	324	37	3.3	3.0
12	334	38	3.7	3.3
13	344	40	4.0	3.6
14	356	43	4.6	4.0
15	371	47	5.3	4.8
16	386	54	5.9	5.4
17	401	63	6.0	6.0
18	416	74	6.0	6.0

Note: The test form is shared between 3A and 4-5A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.1.4.2

Raw Score to Scale Score to Proficiency Level Conversion: List 4-5 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5
0	120	203	1.0	1.0
1	201	80	1.5	1.4
2	234	60	1.7	1.6
3	256	51	1.8	1.8
4	272	46	1.9	1.9
5	286	43	2.2	2.0
6	299	41	2.6	2.3
7	310	39	2.9	2.6
8	320	38	3.2	2.9
9	330	37	3.5	3.2
10	339	36	3.8	3.5
11	349	36	4.3	3.8
12	358	36	4.7	4.1
13	368	37	5.2	4.6
14	377	37	5.5	5.0
15	387	39	5.9	5.4
16	399	40	6.0	5.9
17	411	43	6.0	6.0
18	426	48	6.0	6.0
19	441	55	6.0	6.0
20	456	64	6.0	6.0
21	471	74	6.0	6.0

Note: The test form is shared between 3B/C and 4-5B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.1.5 Grades 6–8

Table 2.6.1.5.1

Raw Score to Scale Score to Proficiency Level Conversion: List 6-8 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
0	132	137	1.0	1.0	1.0
1	181	78	1.3	1.3	1.2
2	212	59	1.5	1.4	1.4
3	233	51	1.6	1.6	1.5
4	249	46	1.7	1.6	1.6
5	263	43	1.8	1.7	1.7
6	276	41	1.8	1.8	1.8
7	287	40	1.9	1.9	1.8
8	298	39	2.1	1.9	1.9
9	309	38	2.3	2.1	2.0
10	319	38	2.6	2.4	2.2
11	329	39	2.9	2.7	2.5
12	340	39	3.2	3.0	2.8
13	352	41	3.6	3.4	3.1
14	364	44	4.0	3.8	3.5
15	379	48	4.7	4.3	4.0
16	394	55	5.3	5.0	4.6
17	409	63	5.9	5.5	5.2
18	424	73	6.0	6.0	5.8

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.1.5.2

Raw Score to Scale Score to Proficiency Level Conversion: List 6-8 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
0	132	248	1.0	1.0	1.0
1	226	76	1.6	1.5	1.5
2	255	56	1.7	1.7	1.6
3	274	47	1.8	1.8	1.8
4	288	43	1.9	1.9	1.8
5	300	40	2.1	1.9	1.9
6	311	38	2.4	2.2	2.0
7	320	36	2.6	2.4	2.3
8	329	35	2.9	2.7	2.5
9	338	35	3.1	2.9	2.7
10	347	35	3.4	3.2	3.0
11	355	35	3.7	3.5	3.2
12	364	35	4.0	3.8	3.5
13	373	36	4.4	4.1	3.8
14	382	37	4.8	4.5	4.2
15	392	38	5.2	4.9	4.6
16	403	40	5.6	5.3	5.0
17	416	44	6.0	5.8	5.5
18	431	49	6.0	6.0	6.0
19	446	55	6.0	6.0	6.0
20	461	64	6.0	6.0	6.0
21	476	74	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.1.6 Grades 9–12

Table 2.6.1.6.1

Raw Score to Scale Score to Proficiency Level Conversion: List 9-12 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
0	148	98	1.0	1.0	1.0	1.0
1	169	79	1.1	1.1	1.1	1.1
2	201	60	1.3	1.3	1.2	1.2
3	223	52	1.4	1.4	1.4	1.3
4	240	47	1.5	1.5	1.5	1.4
5	255	44	1.6	1.6	1.5	1.5
6	269	42	1.7	1.6	1.6	1.6
7	281	41	1.8	1.7	1.7	1.6
8	293	40	1.8	1.8	1.7	1.7
9	304	40	1.9	1.8	1.8	1.8
10	315	40	2.0	1.9	1.8	1.8
11	327	40	2.3	2.0	1.9	1.9
12	338	41	2.6	2.3	2.1	1.9
13	350	43	2.9	2.7	2.5	2.3
14	364	45	3.3	3.1	3.0	2.8
15	380	50	3.9	3.7	3.5	3.4
16	396	56	4.5	4.2	4.0	3.9
17	412	64	5.1	4.8	4.6	4.5
18	428	76	5.7	5.5	5.2	5.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.1.6.2

Raw Score to Scale Score to Proficiency Level Conversion: List 9-12 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
0	148	214	1.0	1.0	1.0	1.0
1	232	78	1.5	1.4	1.4	1.4
2	263	58	1.7	1.6	1.6	1.5
3	283	50	1.8	1.7	1.7	1.6
4	299	45	1.9	1.8	1.8	1.7
5	313	42	1.9	1.9	1.8	1.8
6	325	40	2.2	2.0	1.9	1.9
7	336	39	2.5	2.3	2.0	1.9
8	346	37	2.8	2.6	2.3	2.1
9	356	37	3.1	2.9	2.7	2.5
10	365	36	3.4	3.2	3.0	2.8
11	375	36	3.7	3.5	3.3	3.2
12	384	36	4.0	3.8	3.6	3.5
13	393	37	4.3	4.1	3.9	3.8
14	403	37	4.7	4.5	4.3	4.1
15	413	39	5.1	4.9	4.7	4.5
16	424	41	5.6	5.3	5.1	4.9
17	437	43	6.0	5.8	5.6	5.4
18	451	48	6.0	6.0	6.0	5.9
19	465	54	6.0	6.0	6.0	6.0
20	479	61	6.0	6.0	6.0	6.0
21	493	71	6.0	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.2 Reading

2.6.2.0 Kindergarten

Table 2.6.2.0

Raw Score to Scale Score to Proficiency Level Conversion: Read K S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for K
0	100	33	1.0
1	100	33	1.0
2	100	33	1.0
3	100	33	1.0
4	100	33	1.0
5	100	33	1.0
6	100	33	1.0
7	100	33	1.0
8	100	33	1.0
9	100	33	1.0
10	100	33	1.0
11	109	34	1.0
12	120	33	1.1
13	132	33	1.2
14	142	32	1.2
15	152	31	1.3
16	162	30	1.4
17	171	29	1.5
18	180	29	1.5
19	188	29	1.6
20	196	29	1.6
21	205	29	1.7
22	213	29	1.8
23	222	29	1.8
24	230	30	1.9
25	240	31	1.9
26	250	32	2.5
27	260	35	3.0
28	270	38	3.5
29	280	43	4.1
30	290	49	5.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.2.1 Grade 1

Table 2.6.2.1.1

Raw Score to Scale Score to Proficiency Level Conversion: Read 1 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G1
0	141	120	1.0
1	187	53	1.3
2	207	39	1.5
3	220	33	1.6
4	230	29	1.7
5	238	27	1.7
6	245	25	1.8
7	251	24	1.8
8	257	23	1.9
9	262	23	1.9
10	268	22	2.1
11	273	22	2.4
12	278	22	2.6
13	283	22	2.8
14	288	22	3.1
15	293	22	3.3
16	298	23	3.6
17	304	24	4.0
18	310	25	4.5
19	317	26	5.1
20	325	28	5.5
21	334	32	6.0
22	343	36	6.0
23	352	42	6.0
24	361	48	6.0

Note: The test form is shared between 1A and 2A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.2.1.2

Raw Score to Scale Score to Proficiency Level Conversion: Read 1 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G1
0	141	204	1.0
1	216	53	1.6
2	236	38	1.7
3	249	32	1.8
4	258	29	1.9
5	266	26	2.0
6	272	24	2.3
7	278	23	2.6
8	284	22	2.9
9	289	22	3.1
10	293	21	3.3
11	298	21	3.6
12	302	20	3.8
13	307	20	4.2
14	311	20	4.6
15	315	20	5.0
16	320	20	5.2
17	324	21	5.4
18	329	21	5.7
19	334	22	6.0
20	339	23	6.0
21	345	24	6.0
22	351	26	6.0
23	358	28	6.0
24	367	31	6.0
25	376	36	6.0
26	385	41	6.0
27	394	48	6.0

Note: The test form is shared between 1B/C and 2B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.2.2 Grade 2

Table 2.6.2.2.1

Raw Score to Scale Score to Proficiency Level Conversion: Read 2 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G2
0	158	87	1.0
1	187	53	1.2
2	207	39	1.4
3	220	33	1.5
4	230	29	1.6
5	238	27	1.6
6	245	25	1.7
7	251	24	1.7
8	257	23	1.8
9	262	23	1.8
10	268	22	1.8
11	273	22	1.9
12	278	22	1.9
13	283	22	2.0
14	288	22	2.2
15	293	22	2.4
16	298	23	2.6
17	304	24	2.8
18	310	25	3.1
19	317	26	3.5
20	325	28	3.9
21	334	32	4.7
22	343	36	5.3
23	352	42	5.8
24	361	48	6.0

Note: The test form is shared between 1A and 2A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.2.2.2

Raw Score to Scale Score to Proficiency Level Conversion: Read 2 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G2
0	158	149	1.0
1	216	53	1.4
2	236	38	1.6
3	249	32	1.7
4	258	29	1.8
5	266	26	1.8
6	272	24	1.9
7	278	23	1.9
8	284	22	2.0
9	289	22	2.2
10	293	21	2.4
11	298	21	2.6
12	302	20	2.7
13	307	20	3.0
14	311	20	3.2
15	315	20	3.4
16	320	20	3.6
17	324	21	3.8
18	329	21	4.2
19	334	22	4.7
20	339	23	5.1
21	345	24	5.4
22	351	26	5.7
23	358	28	6.0
24	367	31	6.0
25	376	36	6.0
26	385	41	6.0
27	394	48	6.0

Note: The test form is shared between 1B/C and 2B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.2.3 Grade 3

Table 2.6.2.3.1

Raw Score to Scale Score to Proficiency Level Conversion: Read 3 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G3
0	158	144	1.0
1	213	52	1.3
2	233	38	1.5
3	246	32	1.6
4	255	29	1.6
5	263	26	1.7
6	270	25	1.8
7	276	24	1.8
8	282	23	1.8
9	287	22	1.9
10	292	22	1.9
11	297	22	2.0
12	302	22	2.1
13	307	22	2.3
14	312	22	2.5
15	317	22	2.7
16	323	23	3.0
17	328	24	3.2
18	334	25	3.5
19	341	26	3.9
20	349	28	4.7
21	358	32	5.3
22	367	36	5.8
23	376	41	6.0
24	385	48	6.0

Note: The test form is shared between 3B/C and 4-5B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.2.3.2

Raw Score to Scale Score to Proficiency Level Conversion: Read 3 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G3
0	158	438	1.0
1	271	52	1.8
2	290	38	1.9
3	302	31	2.1
4	311	28	2.5
5	319	26	2.8
6	325	24	3.1
7	331	23	3.4
8	336	22	3.6
9	341	21	3.9
10	345	21	4.3
11	350	20	4.8
12	354	20	5.1
13	358	20	5.3
14	363	20	5.6
15	367	20	5.8
16	371	20	6.0
17	375	21	6.0
18	380	21	6.0
19	385	22	6.0
20	390	23	6.0
21	396	24	6.0
22	402	25	6.0
23	409	28	6.0
24	418	31	6.0
25	427	36	6.0
26	436	41	6.0
27	445	48	6.0

Note: The test form is shared between 3B/C and 4-5B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.2.4 Grades 4–5

Table 2.6.2.4.1

Raw Score to Scale Score to Proficiency Level Conversion: Read 4-5 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5
0	175	104	1.0	1.0
1	213	52	1.3	1.2
2	233	38	1.4	1.4
3	246	32	1.5	1.5
4	255	29	1.6	1.5
5	263	26	1.6	1.6
6	270	25	1.7	1.6
7	276	24	1.7	1.7
8	282	23	1.8	1.7
9	287	22	1.8	1.7
10	292	22	1.8	1.8
11	297	22	1.9	1.8
12	302	22	1.9	1.9
13	307	22	2.0	1.9
14	312	22	2.1	1.9
15	317	22	2.3	2.0
16	323	23	2.5	2.2
17	328	24	2.7	2.4
18	334	25	2.9	2.6
19	341	26	3.3	2.8
20	349	28	3.7	3.2
21	358	32	4.4	3.6
22	367	36	5.1	4.3
23	376	41	5.6	5.1
24	385	48	6.0	5.6

Note: The test form is shared between 3B/C and 4-5B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.2.4.2

Raw Score to Scale Score to Proficiency Level Conversion: Read 4-5 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5
0	175	315	1.0	1.0
1	271	52	1.7	1.6
2	290	38	1.8	1.8
3	302	31	1.9	1.9
4	311	28	2.1	1.9
5	319	26	2.4	2.1
6	325	24	2.6	2.3
7	331	23	2.8	2.5
8	336	22	3.0	2.6
9	341	21	3.3	2.8
10	345	21	3.5	3.0
11	350	20	3.7	3.2
12	354	20	4.0	3.4
13	358	20	4.4	3.6
14	363	20	4.9	3.9
15	367	20	5.1	4.3
16	371	20	5.3	4.7
17	375	21	5.6	5.1
18	380	21	5.8	5.3
19	385	22	6.0	5.6
20	390	23	6.0	5.9
21	396	24	6.0	6.0
22	402	25	6.0	6.0
23	409	28	6.0	6.0
24	418	31	6.0	6.0
25	427	36	6.0	6.0
26	436	41	6.0	6.0
27	445	48	6.0	6.0

Note: The test form is shared between 3B/C and 4-5B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.2.5 Grades 6–8

Table 2.6.2.5.1

Raw Score to Scale Score to Proficiency Level Conversion: Read 6-8 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
0	200	119	1.1	1.0	1.0
1	245	52	1.4	1.3	1.3
2	265	38	1.5	1.5	1.4
3	278	32	1.6	1.6	1.5
4	287	29	1.7	1.6	1.6
5	295	27	1.8	1.7	1.7
6	302	25	1.8	1.8	1.7
7	308	24	1.8	1.8	1.8
8	314	23	1.9	1.8	1.8
9	319	23	1.9	1.9	1.8
10	325	22	2.0	1.9	1.9
11	330	22	2.2	2.0	1.9
12	335	22	2.4	2.1	2.0
13	340	22	2.5	2.3	2.1
14	345	22	2.7	2.5	2.3
15	350	23	2.9	2.6	2.4
16	356	23	3.1	2.8	2.6
17	362	24	3.4	3.1	2.8
18	368	25	3.7	3.4	3.1
19	375	26	4.2	3.7	3.4
20	382	29	5.0	4.2	3.8
21	392	32	5.5	5.1	4.6
22	402	37	6.0	5.7	5.4
23	412	43	6.0	6.0	6.0
24	422	50	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.2.5.2

Raw Score to Scale Score to Proficiency Level Conversion: Read 6-8 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
0	200	219	1.1	1.0	1.0
1	277	52	1.6	1.6	1.5
2	296	38	1.8	1.7	1.7
3	308	31	1.8	1.8	1.8
4	317	28	1.9	1.9	1.8
5	325	26	2.0	1.9	1.9
6	331	24	2.2	2.0	1.9
7	337	23	2.4	2.2	2.0
8	342	22	2.6	2.4	2.2
9	347	21	2.8	2.5	2.3
10	352	21	2.9	2.7	2.5
11	356	20	3.1	2.8	2.6
12	360	20	3.3	3.0	2.8
13	365	20	3.6	3.2	2.9
14	369	20	3.8	3.4	3.1
15	373	20	4.0	3.6	3.3
16	378	20	4.5	3.9	3.6
17	382	21	5.0	4.2	3.8
18	387	21	5.2	4.7	4.1
19	392	22	5.5	5.1	4.6
20	397	23	5.8	5.4	5.1
21	403	24	6.0	5.8	5.4
22	409	26	6.0	6.0	5.8
23	416	28	6.0	6.0	6.0
24	425	31	6.0	6.0	6.0
25	434	36	6.0	6.0	6.0
26	443	41	6.0	6.0	6.0
27	452	48	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.2.6 Grades 9–12

Table 2.6.2.6.1

Raw Score to Scale Score to Proficiency Level Conversion: Read 9-12 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
0	233	73	1.1	1.1	1.0	1.0
1	252	53	1.3	1.2	1.2	1.1
2	272	39	1.4	1.4	1.3	1.3
3	285	33	1.5	1.5	1.4	1.4
4	295	29	1.6	1.6	1.5	1.5
5	303	27	1.7	1.6	1.6	1.5
6	310	26	1.7	1.7	1.6	1.6
7	317	24	1.8	1.7	1.7	1.7
8	323	24	1.8	1.8	1.7	1.7
9	328	23	1.9	1.8	1.8	1.7
10	334	23	1.9	1.9	1.8	1.8
11	339	22	1.9	1.9	1.9	1.8
12	345	22	2.1	2.0	1.9	1.9
13	350	22	2.3	2.1	2.0	1.9
14	355	23	2.4	2.3	2.2	2.0
15	360	23	2.6	2.4	2.3	2.2
16	366	23	2.8	2.6	2.5	2.4
17	372	24	3.0	2.8	2.7	2.5
18	378	25	3.3	3.0	2.8	2.7
19	385	27	3.6	3.4	3.1	2.9
20	393	29	4.1	3.8	3.5	3.3
21	403	32	5.1	4.6	4.1	3.8
22	413	37	5.7	5.4	5.1	4.8
23	423	43	6.0	6.0	5.7	5.5
24	433	50	6.0	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.2.6.2

Raw Score to Scale Score to Proficiency Level Conversion: Read 9-12 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
0	233	171	1.1	1.1	1.0	1.0
1	297	52	1.6	1.6	1.5	1.5
2	316	37	1.8	1.7	1.7	1.6
3	328	31	1.9	1.8	1.8	1.7
4	337	28	1.9	1.9	1.9	1.8
5	344	25	2.1	2.0	1.9	1.9
6	350	24	2.3	2.1	2.0	1.9
7	356	23	2.5	2.3	2.2	2.1
8	361	22	2.6	2.5	2.3	2.2
9	366	21	2.8	2.6	2.5	2.4
10	370	21	2.9	2.7	2.6	2.5
11	375	20	3.1	2.9	2.7	2.6
12	379	20	3.3	3.1	2.9	2.7
13	383	20	3.5	3.3	3.0	2.9
14	387	20	3.7	3.5	3.2	3.0
15	392	20	4.0	3.7	3.5	3.2
16	396	20	4.4	3.9	3.7	3.4
17	400	21	4.8	4.3	3.9	3.6
18	405	21	5.2	4.8	4.3	3.9
19	409	22	5.4	5.1	4.8	4.2
20	415	23	5.8	5.5	5.2	5.0
21	420	24	6.0	5.8	5.5	5.3
22	426	25	6.0	6.0	5.9	5.6
23	434	28	6.0	6.0	6.0	6.0
24	443	31	6.0	6.0	6.0	6.0
25	452	36	6.0	6.0	6.0	6.0
26	461	42	6.0	6.0	6.0	6.0
27	470	48	6.0	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.3 Writing

2.6.3.0 Kindergarten

Table 2.6.3.0

Raw Score to Scale Score to Proficiency Level Conversion: Writ K S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for K
0	100	107	1.0
1	100	107	1.0
2	100	107	1.0
3	100	107	1.0
4	155	60	1.4
5	177	44	1.5
6	191	37	1.6
7	202	35	1.7
8	213	34	1.8
9	223	35	1.9
10	234	37	2.0
11	246	37	2.3
12	258	39	2.6
13	271	41	3.0
14	288	48	3.4
15	305	57	3.8
16	322	65	4.1
17	339	71	4.5

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.3.1 Grade 1

Table 2.6.3.1.1

Raw Score to Scale Score to Proficiency Level Conversion: Writ 1 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G1	Raw Score	Scale Score	CSEM x 1.96	PL for G1
0	111	97	1.0	34	381	25	4.9
1	148	63	1.2	35	387	26	5.2
2	177	46	1.5	36	395	28	5.5
3	193	34	1.6	37	403	31	5.9
4	202	28	1.7	38	414	37	6.0
5	209	24	1.7	39	433	51	6.0
6	214	22	1.8	40	464	95	6.0
7	219	20	1.8				
8	223	20	1.8				
9	227	19	1.9				
10	231	19	1.9				
11	234	19	1.9				
12	238	20	2.0				
13	242	20	2.1				
14	247	21	2.2				
15	252	23	2.3				
16	257	24	2.5				
17	263	25	2.6				
18	270	27	2.8				
19	277	27	3.0				
20	285	28	3.1				
21	293	27	3.2				
22	300	27	3.4				
23	307	26	3.5				
24	314	26	3.6				
25	321	26	3.7				
26	328	26	3.8				
27	334	26	3.9				
28	341	26	4.0				
29	348	26	4.2				
30	355	26	4.4				
31	362	25	4.5				
32	368	25	4.6				
33	374	25	4.8				

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.3.1.2

Raw Score to Scale Score to Proficiency Level Conversion: Writ 1 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G1	Raw Score	Scale Score	CSEM x 1.96	PL for G1
0	111	247	1.0	34	340	24	4.0
1	188	47	1.6	35	346	23	4.2
2	203	32	1.7	36	351	23	4.3
3	211	26	1.7	37	357	23	4.4
4	217	22	1.8	38	362	22	4.5
5	221	20	1.8	39	366	22	4.6
6	225	19	1.8	40	371	21	4.7
7	229	18	1.9	41	376	21	4.8
8	232	17	1.9	42	380	21	4.9
9	235	17	1.9	43	385	21	5.1
10	238	16	2.0	44	389	21	5.3
11	240	16	2.0	45	393	21	5.4
12	243	16	2.1	46	398	21	5.6
13	245	16	2.1	47	403	22	5.9
14	248	16	2.2	48	408	23	6.0
15	251	16	2.3	49	413	24	6.0
16	254	17	2.4	50	420	26	6.0
17	257	17	2.5	51	428	30	6.0
18	260	18	2.5	52	438	36	6.0
19	263	18	2.6	53	457	51	6.0
20	266	19	2.7	54	488	95	6.0
21	270	20	2.8				
22	274	20	2.9				
23	279	21	3.0				
24	283	22	3.1				
25	288	23	3.2				
26	294	23	3.3				
27	299	24	3.3				
28	305	24	3.4				
29	311	24	3.5				
30	317	24	3.6				
31	323	24	3.7				
32	329	24	3.8				
33	334	24	3.9				

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.3.2 Grade 2

Table 2.6.3.2.1

Raw Score to Scale Score to Proficiency Level Conversion: Writ 2 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G2
0	133	213	1.0
1	199	45	1.6
2	213	32	1.7
3	222	26	1.8
4	228	24	1.8
5	234	23	1.9
6	239	22	1.9
7	244	23	2.0
8	249	24	2.1
9	255	25	2.3
10	262	27	2.5
11	270	29	2.7
12	279	31	3.0
13	290	33	3.1
14	301	34	3.3
15	313	35	3.5
16	325	34	3.7
17	336	34	3.9
18	347	33	4.1
19	358	31	4.3
20	367	30	4.5
21	376	30	4.7
22	385	29	4.9
23	394	30	5.2
24	403	32	5.6
25	415	38	6.0
26	434	51	6.0
27	465	94	6.0

Note: The test form is shared between 2A and 3A

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.3.2.2

Raw Score to Scale Score to Proficiency Level Conversion: Writ 2 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G2	Raw Score	Scale Score	CSEM x 1.96	PL for G2
0	133	158	1.0	34	341	24	4.0
1	187	47	1.5	35	346	23	4.1
2	201	32	1.6	36	352	23	4.2
3	210	26	1.7	37	357	22	4.3
4	216	23	1.7	38	362	22	4.4
5	220	21	1.8	39	367	22	4.5
6	224	19	1.8	40	371	21	4.6
7	228	18	1.8	41	376	21	4.7
8	231	18	1.9	42	381	21	4.8
9	234	17	1.9	43	385	21	4.9
10	237	17	1.9	44	390	21	5.0
11	240	17	1.9	45	394	21	5.2
12	243	17	2.0	46	399	22	5.4
13	246	17	2.1	47	404	22	5.6
14	249	17	2.1	48	409	23	5.9
15	252	17	2.2	49	415	25	6.0
16	255	17	2.3	50	422	27	6.0
17	258	17	2.4	51	430	30	6.0
18	261	18	2.5	52	441	36	6.0
19	264	18	2.5	53	459	51	6.0
20	268	19	2.7	54	490	95	6.0
21	272	19	2.8				
22	276	20	2.9				
23	280	21	3.0				
24	285	22	3.0				
25	290	22	3.1				
26	295	23	3.2				
27	300	23	3.3				
28	306	24	3.4				
29	312	24	3.5				
30	317	24	3.6				
31	323	24	3.7				
32	329	24	3.8				
33	335	24	3.9				

Note: The test form is shared between 2BC and 3BC.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.3.3 Grade 3

Table 2.6.3.3.1

Raw Score to Scale Score to Proficiency Level Conversion: Writ 3 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G3
0	133	213	1.0
1	199	45	1.5
2	213	32	1.7
3	222	26	1.7
4	228	24	1.8
5	234	23	1.8
6	239	22	1.9
7	244	23	1.9
8	249	24	2.0
9	255	25	2.2
10	262	27	2.4
11	270	29	2.6
12	279	31	2.8
13	290	33	3.1
14	301	34	3.2
15	313	35	3.4
16	325	34	3.6
17	336	34	3.8
18	347	33	4.0
19	358	31	4.2
20	367	30	4.4
21	376	30	4.6
22	385	29	4.8
23	394	30	5.0
24	403	32	5.3
25	415	38	5.8
26	434	51	6.0
27	465	94	6.0

Note: The test form is shared between 2A and 3A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.3.3.2

Raw Score to Scale Score to Proficiency Level Conversion: Writ 3 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G3	Raw Score	Scale Score	CSEM x 1.96	PL for G3
0	133	158	1.0	34	341	24	3.9
1	187	47	1.4	35	346	23	4.0
2	201	32	1.5	36	352	23	4.1
3	210	26	1.6	37	357	22	4.2
4	216	23	1.7	38	362	22	4.3
5	220	21	1.7	39	367	22	4.4
6	224	19	1.7	40	371	21	4.5
7	228	18	1.8	41	376	21	4.6
8	231	18	1.8	42	381	21	4.7
9	234	17	1.8	43	385	21	4.8
10	237	17	1.9	44	390	21	4.9
11	240	17	1.9	45	394	21	5.0
12	243	17	1.9	46	399	22	5.2
13	246	17	1.9	47	404	22	5.4
14	249	17	2.0	48	409	23	5.6
15	252	17	2.1	49	415	25	5.8
16	255	17	2.2	50	422	27	6.0
17	258	17	2.3	51	430	30	6.0
18	261	18	2.3	52	441	36	6.0
19	264	18	2.4	53	459	51	6.0
20	268	19	2.5	54	490	95	6.0
21	272	19	2.6				
22	276	20	2.8				
23	280	21	2.9				
24	285	22	3.0				
25	290	22	3.1				
26	295	23	3.1				
27	300	23	3.2				
28	306	24	3.3				
29	312	24	3.4				
30	317	24	3.5				
31	323	24	3.6				
32	329	24	3.7				
33	335	24	3.8				

Note: The test form is shared between 2BC and 3BC.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.3.4 Grades 4–5

Table 2.6.3.4.1

Raw Score to Scale Score to Proficiency Level Conversion: Writ 4-5 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5
0	155	253	1.0	1.0
1	231	45	1.7	1.6
2	245	32	1.8	1.8
3	253	26	1.8	1.8
4	259	24	1.9	1.9
5	264	23	1.9	1.9
6	270	22	2.1	2.1
7	275	23	2.4	2.3
8	280	23	2.6	2.5
9	286	25	2.9	2.7
10	293	27	3.0	3.0
11	301	29	3.2	3.1
12	310	31	3.3	3.2
13	320	33	3.5	3.4
14	332	34	3.6	3.6
15	343	35	3.8	3.7
16	355	34	4.0	3.9
17	367	34	4.3	4.2
18	378	33	4.5	4.4
19	388	31	4.7	4.6
20	398	30	4.9	4.8
21	407	29	5.2	5.0
22	416	29	5.6	5.3
23	424	30	5.9	5.6
24	434	32	6.0	6.0
25	446	37	6.0	6.0
26	464	51	6.0	6.0
27	496	94	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.3.4.2

Raw Score to Scale Score to Proficiency Level Conversion: Writ 4-5 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5	Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5
0	155	272	1.0	1.0	34	389	24	4.7	4.6
1	237	47	1.7	1.7	35	395	23	4.8	4.7
2	252	32	1.8	1.8	36	401	23	5.0	4.8
3	260	26	1.9	1.9	37	406	23	5.2	4.9
4	266	23	2.0	1.9	38	411	22	5.4	5.1
5	270	20	2.1	2.1	39	416	22	5.6	5.3
6	274	19	2.3	2.2	40	420	21	5.7	5.5
7	278	18	2.5	2.4	41	425	21	6.0	5.6
8	281	17	2.6	2.5	42	429	21	6.0	5.8
9	284	17	2.8	2.6	43	434	21	6.0	6.0
10	287	16	2.9	2.7	44	438	21	6.0	6.0
11	290	16	3.0	2.8	45	443	21	6.0	6.0
12	292	16	3.0	2.9	46	447	21	6.0	6.0
13	295	16	3.1	3.0	47	452	22	6.0	6.0
14	298	16	3.1	3.0	48	457	23	6.0	6.0
15	300	16	3.1	3.1	49	463	24	6.0	6.0
16	303	17	3.2	3.1	50	469	26	6.0	6.0
17	306	17	3.2	3.2	51	477	30	6.0	6.0
18	309	18	3.3	3.2	52	488	36	6.0	6.0
19	312	18	3.3	3.3	53	506	51	6.0	6.0
20	316	19	3.4	3.3	54	538	95	6.0	6.0
21	320	20	3.5	3.4					
22	324	20	3.5	3.4					
23	328	21	3.6	3.5					
24	333	22	3.7	3.6					
25	338	23	3.7	3.7					
26	343	23	3.8	3.7					
27	349	24	3.9	3.8					
28	354	24	4.0	3.9					
29	360	24	4.1	4.0					
30	366	24	4.3	4.1					
31	372	24	4.4	4.3					
32	378	24	4.5	4.4					
33	384	24	4.6	4.5					

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.3.5 Grades 6–8

Table 2.6.3.5.1

Raw Score to Scale Score to Proficiency Level Conversion: Writ 6-8 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
0	188	103	1.2	1.1	1.0
1	220	45	1.5	1.4	1.3
2	234	32	1.6	1.5	1.4
3	243	27	1.7	1.6	1.5
4	249	24	1.8	1.7	1.6
5	255	23	1.8	1.8	1.7
6	260	23	1.9	1.8	1.7
7	266	23	1.9	1.9	1.8
8	271	24	2.1	1.9	1.8
9	277	25	2.3	2.1	1.9
10	284	27	2.5	2.3	2.1
11	292	29	2.8	2.5	2.3
12	301	31	3.0	2.8	2.6
13	312	33	3.2	3.1	3.0
14	323	34	3.3	3.2	3.1
15	334	34	3.5	3.4	3.3
16	346	34	3.7	3.6	3.5
17	358	34	3.9	3.8	3.7
18	369	33	4.1	4.0	3.9
19	379	31	4.3	4.2	4.1
20	389	30	4.5	4.4	4.3
21	398	30	4.7	4.5	4.5
22	407	30	4.8	4.7	4.6
23	416	30	5.1	4.9	4.8
24	425	33	5.4	5.1	5.0
25	438	38	5.8	5.6	5.4
26	457	52	6.0	6.0	5.9
27	488	94	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.3.5.2

Raw Score to Scale Score to Proficiency Level Conversion: Writ 6-8 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
0	188	96	1.2	1.1	1.0
1	218	47	1.5	1.4	1.3
2	233	32	1.6	1.5	1.4
3	241	26	1.7	1.6	1.5
4	247	22	1.7	1.7	1.6
5	251	20	1.8	1.7	1.6
6	255	18	1.8	1.8	1.7
7	258	17	1.9	1.8	1.7
8	261	17	1.9	1.8	1.7
9	264	16	1.9	1.9	1.8
10	267	16	1.9	1.9	1.8
11	269	16	2.0	1.9	1.8
12	272	16	2.1	1.9	1.9
13	274	16	2.2	2.0	1.9
14	277	16	2.3	2.1	1.9
15	279	16	2.3	2.1	1.9
16	282	16	2.4	2.2	2.0
17	285	17	2.5	2.3	2.1
18	288	17	2.6	2.4	2.2
19	291	18	2.7	2.5	2.3
20	295	19	2.9	2.6	2.4
21	299	20	3.0	2.8	2.6
22	303	21	3.0	2.9	2.7
23	307	21	3.1	3.0	2.8
24	312	22	3.2	3.1	3.0
25	317	23	3.3	3.1	3.0
26	323	23	3.3	3.2	3.1
27	328	24	3.4	3.3	3.2
28	334	24	3.5	3.4	3.3
29	340	24	3.6	3.5	3.4
30	346	24	3.7	3.6	3.5
31	352	24	3.8	3.7	3.6
32	358	24	3.9	3.8	3.7
33	364	24	4.0	3.9	3.8

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
34	369	24	4.1	4.0	3.9
35	375	23	4.2	4.1	4.0
36	380	23	4.3	4.2	4.1
37	386	23	4.4	4.3	4.2
38	391	22	4.5	4.4	4.3
39	396	22	4.6	4.5	4.4
40	400	21	4.7	4.6	4.5
41	405	21	4.8	4.7	4.6
42	409	21	4.9	4.8	4.7
43	414	21	5.0	4.9	4.8
44	418	21	5.1	4.9	4.8
45	422	21	5.3	5.0	4.9
46	427	21	5.5	5.2	5.0
47	431	22	5.6	5.3	5.2
48	436	23	5.8	5.5	5.3
49	442	24	6.0	5.7	5.5
50	448	26	6.0	5.9	5.6
51	456	30	6.0	6.0	5.9
52	467	36	6.0	6.0	6.0
53	485	51	6.0	6.0	6.0
54	516	95	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.3.6 Grades 9–12

Table 2.6.3.6.1

Raw Score to Scale Score to Proficiency Level Conversion: Writ 9-12 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
0	232	77	1.3	1.2	1.1	1.0
1	252	45	1.5	1.4	1.3	1.2
2	266	32	1.7	1.6	1.5	1.3
3	275	27	1.8	1.7	1.6	1.5
4	282	25	1.9	1.8	1.7	1.5
5	288	24	1.9	1.8	1.7	1.6
6	293	23	2.1	1.9	1.8	1.7
7	299	23	2.3	2.0	1.8	1.7
8	304	24	2.5	2.2	1.9	1.8
9	310	25	2.7	2.4	2.0	1.9
10	317	27	2.9	2.6	2.3	1.9
11	325	29	3.1	2.9	2.6	2.2
12	334	31	3.2	3.1	2.9	2.6
13	344	33	3.4	3.3	3.1	3.0
14	355	34	3.6	3.4	3.3	3.2
15	367	34	3.8	3.6	3.5	3.4
16	379	34	4.0	3.8	3.7	3.6
17	390	34	4.2	4.0	3.9	3.8
18	402	33	4.4	4.3	4.2	4.0
19	412	31	4.6	4.5	4.4	4.2
20	421	30	4.8	4.7	4.6	4.4
21	430	30	5.0	4.8	4.7	4.6
22	439	30	5.2	5.0	4.9	4.8
23	448	31	5.4	5.2	5.1	5.0
24	458	33	5.7	5.5	5.3	5.2
25	471	38	6.0	5.8	5.6	5.4
26	489	52	6.0	6.0	5.9	5.7
27	521	94	6.0	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.3.6.2

Raw Score to Scale Score to Proficiency Level Conversion: Writ 9-12 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
0	232	51	1.3	1.2	1.1	1.0
1	234	47	1.3	1.2	1.1	1.0
2	249	32	1.5	1.4	1.3	1.1
3	257	26	1.6	1.5	1.4	1.2
4	263	22	1.7	1.6	1.4	1.3
5	268	20	1.7	1.6	1.5	1.4
6	271	18	1.8	1.6	1.5	1.4
7	275	17	1.8	1.7	1.6	1.5
8	278	17	1.8	1.7	1.6	1.5
9	280	16	1.9	1.7	1.6	1.5
10	283	16	1.9	1.8	1.7	1.5
11	286	16	1.9	1.8	1.7	1.6
12	288	16	1.9	1.8	1.7	1.6
13	291	16	2.0	1.9	1.8	1.6
14	293	16	2.1	1.9	1.8	1.7
15	296	16	2.2	1.9	1.8	1.7
16	299	16	2.3	2.0	1.8	1.7
17	301	17	2.4	2.1	1.9	1.8
18	304	17	2.5	2.2	1.9	1.8
19	308	18	2.6	2.3	2.0	1.8
20	311	19	2.7	2.4	2.1	1.9
21	315	20	2.8	2.6	2.2	1.9
22	319	21	3.0	2.7	2.4	2.0
23	324	21	3.0	2.9	2.5	2.2
24	328	22	3.1	3.0	2.7	2.3
25	334	23	3.2	3.1	2.9	2.6
26	339	23	3.3	3.2	3.0	2.8
27	344	24	3.4	3.3	3.1	3.0
28	350	24	3.5	3.4	3.2	3.1
29	356	24	3.6	3.5	3.3	3.2
30	362	24	3.7	3.6	3.4	3.3
31	368	24	3.8	3.7	3.5	3.4
32	374	24	3.9	3.8	3.6	3.5
33	380	24	4.0	3.9	3.8	3.6

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
34	386	24	4.1	4.0	3.9	3.7
35	391	23	4.2	4.1	4.0	3.8
36	397	23	4.3	4.2	4.1	3.9
37	402	23	4.4	4.3	4.2	4.0
38	407	22	4.5	4.4	4.3	4.1
39	412	22	4.6	4.5	4.4	4.2
40	417	21	4.7	4.6	4.5	4.3
41	421	21	4.8	4.7	4.6	4.4
42	426	21	4.9	4.8	4.7	4.5
43	430	21	5.0	4.8	4.7	4.6
44	434	21	5.1	4.9	4.8	4.7
45	438	21	5.2	5.0	4.9	4.8
46	443	21	5.3	5.1	5.0	4.9
47	448	22	5.4	5.2	5.1	5.0
48	453	23	5.5	5.3	5.2	5.1
49	458	24	5.7	5.5	5.3	5.2
50	464	26	5.8	5.6	5.4	5.3
51	472	30	6.0	5.8	5.6	5.4
52	483	36	6.0	6.0	5.8	5.6
53	501	51	6.0	6.0	6.0	6.0
54	533	95	6.0	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.4 Speaking

2.6.4.0 Kindergarten

Table 2.6.4.0

Raw Score to Scale Score to Proficiency Level Conversion: Spek K S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for K
0	100	183	1.0
1	123	133	1.2
2	147	83	1.5
3	169	63	1.7
4	191	55	2.0
5	211	52	2.3
6	230	48	2.6
7	250	41	3.0
8	301	32	4.0
9	349	44	5.0
10	392	105	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.4.1 Grade 1

Table 2.6.4.1.1

Raw Score to Scale Score to Proficiency Level Conversion: Spek 1 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G1
0	106	47	1.0
1	106	47	1.0
2	118	38	1.1
3	130	34	1.2
4	140	33	1.3
5	151	34	1.4
6	162	36	1.5
7	174	37	1.6
8	187	38	1.8
9	201	40	1.9
10	216	42	2.1
11	235	49	2.5
12	259	55	2.9
13	286	52	3.5
14	308	48	3.9
15	328	47	4.3
16	349	50	4.7
17	370	59	5.2
18	391	75	5.7

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.4.1.2

Raw Score to Scale Score to Proficiency Level Conversion: Spek 1 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G1
6	106	45	1.0
7	163	31	1.5
8	172	31	1.6
9	180	30	1.7
10	189	30	1.8
11	197	29	1.9
12	205	29	2.0
13	213	30	2.1
14	221	31	2.2
15	230	32	2.4
16	241	34	2.6
17	252	37	2.8
18	265	38	3.0
19	279	38	3.3
20	292	37	3.6
21	303	35	3.8
22	314	34	4.0
23	325	33	4.2
24	334	33	4.4
25	344	34	4.6
26	355	36	4.8
27	368	38	5.1
28	381	44	5.4
29	394	51	5.7
30	407	60	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.4.2 Grade 2

Table 2.6.4.2.1

Raw Score to Scale Score to Proficiency Level Conversion: Spek 2 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G2
0	118	44	1.0
1	118	44	1.0
2	118	44	1.0
3	118	44	1.0
4	118	44	1.0
5	118	44	1.0
6	128	48	1.1
7	150	48	1.3
8	170	45	1.5
9	187	43	1.6
10	204	45	1.8
11	224	49	2.0
12	248	54	2.5
13	274	52	3.0
14	297	48	3.4
15	317	48	3.8
16	339	51	4.3
17	361	60	4.7
18	383	77	5.2

Note: The test form is shared between 2A and 3A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.4.2.2

Raw Score to Scale Score to Proficiency Level Conversion: Spek 2 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G2
6	118	41	1.0
7	141	43	1.2
8	156	39	1.4
9	169	36	1.5
10	180	33	1.6
11	190	32	1.7
12	199	32	1.8
13	209	32	1.8
14	218	32	1.9
15	228	33	2.1
16	238	34	2.3
17	250	36	2.5
18	262	37	2.7
19	275	37	3.0
20	287	36	3.2
21	299	35	3.5
22	310	34	3.7
23	320	34	3.9
24	331	34	4.1
25	342	35	4.3
26	353	37	4.5
27	367	40	4.8
28	381	45	5.1
29	395	52	5.5
30	425	78	6.0

Note: The test form is shared between 2B/C and 3B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.4.3 Grade 3

Table 2.6.4.3.1

Raw Score to Scale Score to Proficiency Level Conversion: Spek 3 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G3
0	118	44	1.0
1	118	44	1.0
2	118	44	1.0
3	118	44	1.0
4	118	44	1.0
5	118	44	1.0
6	128	48	1.0
7	150	48	1.2
8	170	45	1.4
9	187	43	1.5
10	204	45	1.7
11	224	49	1.9
12	248	54	2.2
13	274	52	2.8
14	297	48	3.2
15	317	48	3.6
16	339	51	4.1
17	361	60	4.5
18	383	77	4.9

Note: The test form is shared between 2A and 3A.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.4.3.2

Raw Score to Scale Score to Proficiency Level Conversion: Spek 3 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G3
6	118	41	1.0
7	141	43	1.1
8	156	39	1.3
9	169	36	1.4
10	180	33	1.5
11	190	32	1.6
12	199	32	1.6
13	209	32	1.7
14	218	32	1.8
15	228	33	1.9
16	238	34	2.0
17	250	36	2.3
18	262	37	2.5
19	275	37	2.8
20	287	36	3.0
21	299	35	3.3
22	310	34	3.5
23	320	34	3.7
24	331	34	3.9
25	342	35	4.1
26	353	37	4.3
27	367	40	4.6
28	381	45	4.9
29	395	52	5.2
30	425	78	6.0

Note: The test form is shared between 2B/C and 3B/C.

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.4.4 Grades 4–5

Table 2.6.4.4.1

Raw Score to Scale Score to Proficiency Level Conversion: Spek 4-5 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5
0	130	40	1.0	1.0
1	130	40	1.0	1.0
2	132	39	1.0	1.0
3	145	36	1.1	1.1
4	156	35	1.2	1.2
5	168	37	1.3	1.2
6	182	41	1.4	1.4
7	198	42	1.6	1.5
8	215	42	1.7	1.6
9	231	42	1.8	1.7
10	247	44	2.0	1.9
11	266	49	2.4	2.1
12	291	55	2.9	2.7
13	317	52	3.4	3.3
14	340	48	3.9	3.7
15	360	47	4.3	4.1
16	381	51	4.7	4.5
17	402	59	5.1	4.9
18	423	75	5.6	5.4

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.4.4.2

Raw Score to Scale Score to Proficiency Level Conversion: Spek 4-5 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G4	PL for G5
6	130	40	1.0	1.0
7	190	38	1.5	1.4
8	203	36	1.6	1.5
9	214	34	1.7	1.6
10	225	33	1.8	1.7
11	234	32	1.9	1.8
12	244	32	1.9	1.8
13	253	32	2.1	1.9
14	262	32	2.3	2.0
15	272	33	2.5	2.3
16	283	34	2.7	2.5
17	294	36	3.0	2.8
18	306	37	3.2	3.0
19	319	37	3.5	3.3
20	331	36	3.7	3.6
21	343	35	4.0	3.8
22	354	34	4.2	4.0
23	365	34	4.4	4.2
24	375	34	4.6	4.4
25	386	35	4.8	4.6
26	398	37	5.0	4.8
27	411	40	5.3	5.1
28	424	44	5.7	5.4
29	437	51	6.0	5.8
30	450	60	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.4.5 Grades 6–8

Table 2.6.4.5.1

Raw Score to Scale Score to Proficiency Level Conversion: Spek 6-8 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
0	148	44	1.0	1.0	1.0
1	148	44	1.0	1.0	1.0
2	155	40	1.1	1.0	1.0
3	168	36	1.2	1.1	1.1
4	181	37	1.3	1.2	1.2
5	194	40	1.4	1.3	1.3
6	211	46	1.5	1.5	1.4
7	231	47	1.7	1.6	1.6
8	250	43	1.8	1.8	1.7
9	266	42	1.9	1.9	1.8
10	282	44	2.3	2.1	1.9
11	302	49	2.8	2.6	2.4
12	327	55	3.3	3.1	3.0
13	353	52	3.8	3.6	3.5
14	376	48	4.2	4.1	3.9
15	396	47	4.6	4.4	4.3
16	417	50	5.0	4.8	4.7
17	438	59	5.6	5.4	5.1
18	459	75	6.0	6.0	5.8

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.4.5.2

Raw Score to Scale Score to Proficiency Level Conversion: Spek 6-8 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G6	PL for G7	PL for G8
6	148	43	1.0	1.0	1.0
7	219	40	1.6	1.5	1.5
8	232	37	1.7	1.6	1.6
9	244	34	1.8	1.7	1.7
10	254	32	1.8	1.8	1.7
11	263	30	1.9	1.8	1.8
12	271	30	2.0	1.9	1.9
13	279	30	2.2	2.0	1.9
14	288	31	2.4	2.2	2.1
15	297	33	2.6	2.5	2.3
16	308	34	2.9	2.7	2.6
17	319	37	3.1	3.0	2.8
18	332	39	3.4	3.2	3.1
19	346	38	3.7	3.5	3.4
20	359	37	3.9	3.8	3.6
21	371	35	4.1	4.0	3.8
22	382	34	4.3	4.2	4.0
23	392	33	4.5	4.4	4.2
24	402	33	4.7	4.5	4.4
25	412	34	4.9	4.7	4.6
26	423	35	5.1	4.9	4.8
27	435	38	5.5	5.3	5.0
28	447	43	5.8	5.6	5.4
29	459	49	6.0	6.0	5.8
30	471	57	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.6.4.6 Grades 9–12

Table 2.6.4.6.1

Raw Score to Scale Score to Proficiency Level Conversion: Spek 9-12 A S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
0	172	37	1.1	1.0	1.0	1.0
1	172	37	1.1	1.0	1.0	1.0
2	172	37	1.1	1.0	1.0	1.0
3	180	34	1.1	1.1	1.1	1.0
4	191	33	1.2	1.2	1.1	1.1
5	201	34	1.3	1.3	1.2	1.2
6	213	36	1.4	1.3	1.3	1.3
7	225	38	1.5	1.4	1.4	1.4
8	239	40	1.6	1.5	1.5	1.5
9	254	41	1.7	1.6	1.6	1.6
10	270	43	1.8	1.8	1.7	1.7
11	289	48	1.9	1.9	1.9	1.9
12	313	54	2.6	2.4	2.3	2.2
13	339	52	3.1	3.1	3.0	2.9
14	361	48	3.5	3.4	3.3	3.3
15	382	47	3.9	3.8	3.7	3.6
16	403	51	4.3	4.1	4.0	3.9
17	424	59	4.7	4.5	4.4	4.3
18	445	75	5.1	4.9	4.8	4.7

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

Table 2.6.4.6.2

Raw Score to Scale Score to Proficiency Level Conversion: Spek 9-12 B/C S403 Paper

Raw Score	Scale Score	CSEM x 1.96	PL for G9	PL for G10	PL for G11	PL for G12
6	172	36	1.1	1.0	1.0	1.0
7	217	33	1.4	1.4	1.3	1.3
8	227	33	1.5	1.4	1.4	1.4
9	236	32	1.6	1.5	1.5	1.4
10	246	31	1.6	1.6	1.6	1.5
11	254	30	1.7	1.6	1.6	1.6
12	263	30	1.8	1.7	1.7	1.7
13	271	30	1.8	1.8	1.7	1.7
14	280	32	1.9	1.8	1.8	1.8
15	290	33	2.0	1.9	1.9	1.9
16	300	34	2.2	2.1	2.0	1.9
17	312	37	2.5	2.4	2.3	2.2
18	324	38	2.8	2.7	2.6	2.5
19	337	38	3.1	3.0	3.0	2.9
20	350	37	3.3	3.2	3.2	3.1
21	362	35	3.5	3.4	3.3	3.3
22	373	34	3.7	3.6	3.5	3.5
23	383	33	3.9	3.8	3.7	3.6
24	393	33	4.1	4.0	3.8	3.8
25	404	34	4.3	4.2	4.0	3.9
26	415	36	4.5	4.4	4.2	4.1
27	428	39	4.7	4.6	4.5	4.4
28	441	44	5.0	4.9	4.8	4.7
29	455	52	5.5	5.3	5.1	5.0
30	476	68	6.0	6.0	6.0	6.0

Note: Score reports provided to students include the CSEM value multiplied by 1.96.

2.7 Equating and Recalibration Summary

All ACCESS Series 403 Paper test forms are static forms, and no annual equating analyses were conducted.

For technical details on the Kindergarten test, see MacGregor, Kenyon, Gibson, and Evans (2009).

For ACCESS Series 403 Grades 1-12, details on the static forms are provided below, for Listening and Reading Tier A (static forms that have been used in prior years), for Listening and Reading Tier BC (static forms newly constructed for Series 403), and then for Writing and Speaking (also static forms that have been used in prior years).

The ACCESS Series 403 Paper Listening Grades 1-12 Tier A forms are the same forms as those used in Series 402 Paper, Series 401 Paper, Series 400 Paper, and Series 303. The ACCESS Series 403 Paper Reading Grades 1-12 Tier A forms are the same forms as those used in Series 401 Paper and Series 303.

The ACCESS Series 403 Paper Listening and Reading Grades 1-12 Tier BC forms were newly constructed using Series 302 and Series 303 Tier B and Tier C item pools (see Part 1 Section 2.3).

The Series 302 and 303 ACCESS forms were operational in 2013–14 and 2014–15, which were the final 2 years prior to the launch of ACCESS Online. To mitigate concerns that there might be systematic differences between the population of students who took ACCESS 302 and 303 and the population of students who currently take Paper ACCESS, a series of recalibration studies were conducted using Series 400 and Series 401 Paper population data to refine Series 302 and Series 303 Listening and Reading item parameters.

Since Series 401 Paper, Series 400 Paper, and Series 303 Listening Grades 1-12 test forms are identical, and since the Series 401 Paper population is more current than the Series 400 Paper population, the item parameters for Series 303 Listening Grades 1-12 forms were refined using Series 401 Paper population data. In the recalibration analyses, the difficulty measures of Series 303 test items were initially anchored to their previously calibrated values from the Series 303 annual equating study. After the first calibration run, some items that were initially anchored proved to have changed in their difficulty measure. This change is measured by the “Displacement” statistic. This statistic shows the difference between the difficulty value of the anchored item and what the difficulty value would have been had it not been anchored. If this value was large (i.e., above 0.30 or below -0.30), that item was unanchored in the final calibration run (i.e., its parameter was re-estimated). For Series 403 Paper Reading Grades 1-12 forms, a similar process was used to refine Series 302 and Series 303 item parameters using Series 400 and 401 Paper student population data, respectively.

For Listening and Reading Tier A, these refined parameters were used with the intact Tier A forms from Series 303.

For Listening and Reading Tier BC, the refined parameters derived from the recalibration studies were used in conducting a form selection meeting and in constructing the Series 403 Paper Listening and Reading Grades 1-12 Tier BC forms.

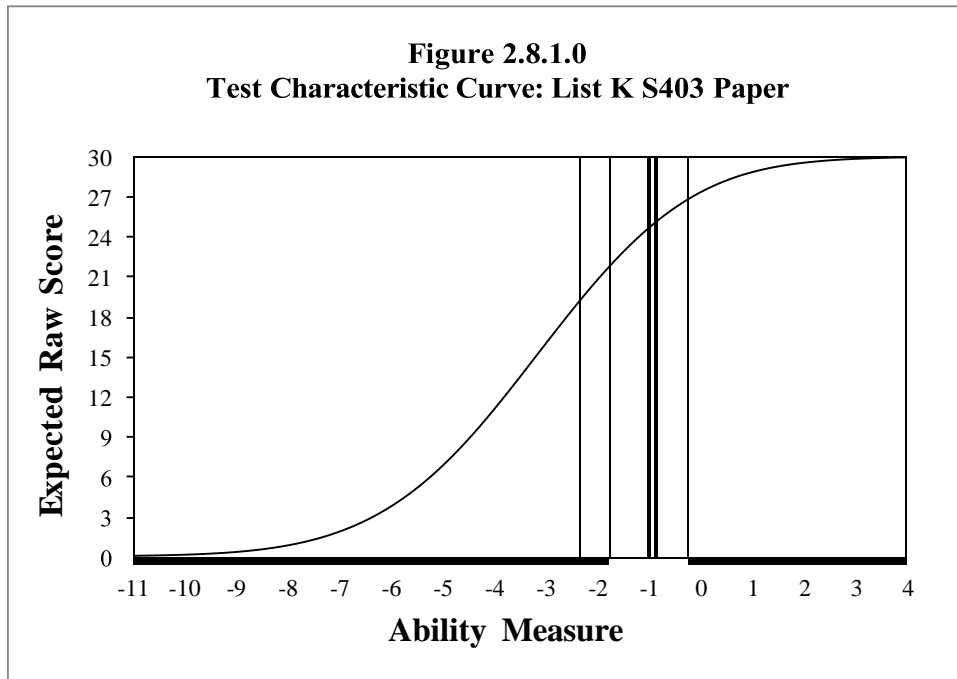
The ACCESS Series 403 Paper Writing Grades 1-12 forms are the same forms as those used in Series 401, and the ACCESS Series 403 Paper Speaking forms are the same as those used in Series 401. Please see the Annual Technical Report for ACCESS for ELLs Paper Series 401 (Center for Applied Linguistics, 2018) for equating summaries for Writing and Speaking.

2.8 Test Characteristic Curve

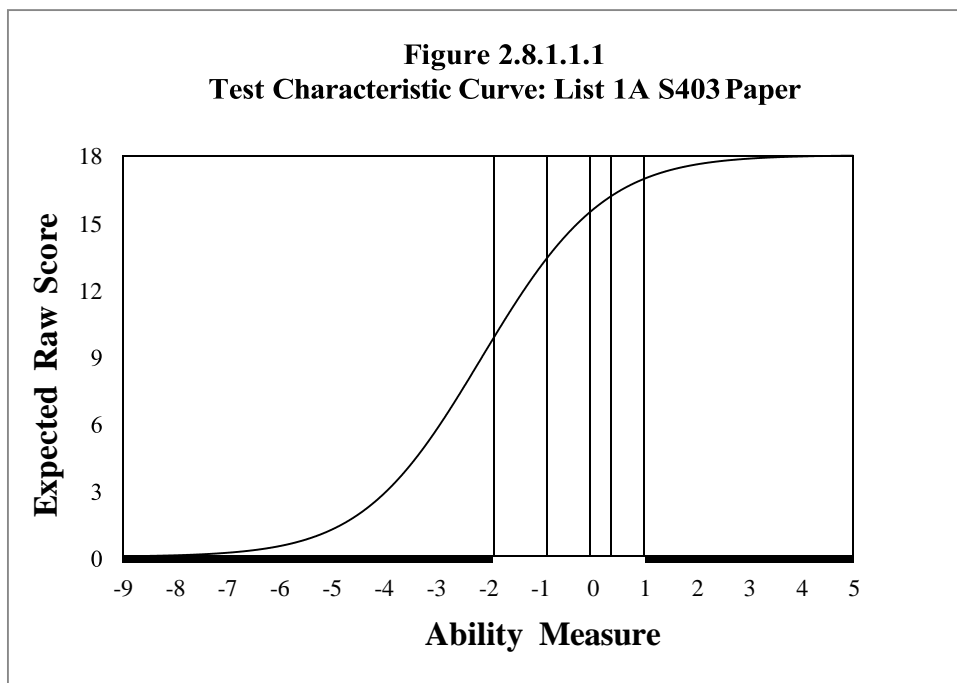
Test characteristic curves graphically show the relationship between the ability measure (in logits) on the horizontal axis and the expected raw score on the vertical axis. Five vertical lines indicate the five cut scores for the highest grade in the grade-level cluster for the test form, dividing the figure into six sections for each of the WIDA proficiency levels (PLs 1–6) for the domain being tested. (Note that for Kindergarten and Tier A tests in some domains, it was not possible to place into all six proficiency levels.) As would be expected, higher raw scores are required for placement in higher proficiency levels. The relative width of each section between the cut score lines, however, gives an indication of how many items on that form must be answered correctly (for Listening or Reading) or how many points must be earned (for Writing or Speaking) to be placed into a WIDA proficiency level.

2.8.1 Listening

2.8.1.0 Kindergarten

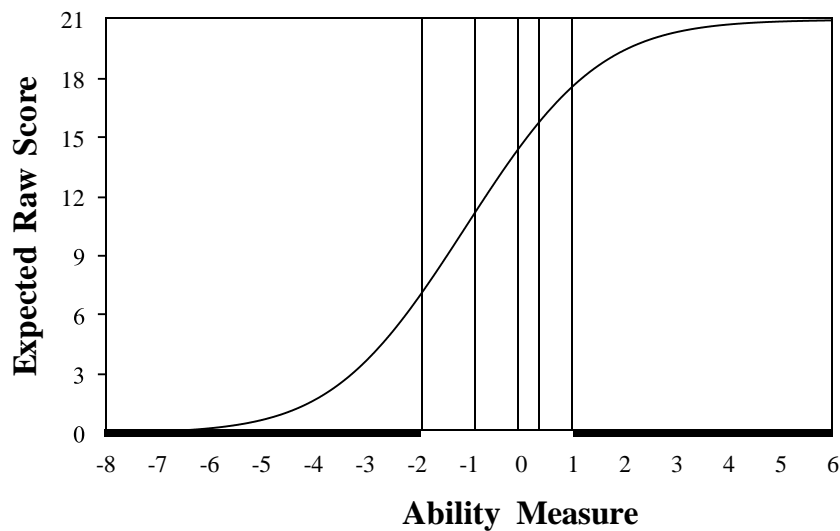


2.8.1.1 Grade 1



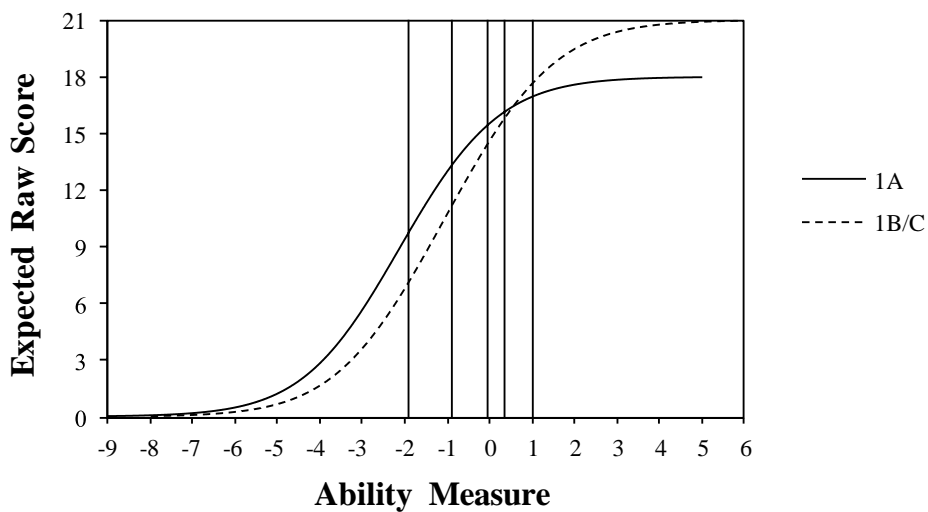
Note: The test form is shared between 1A and 2A.

Figure 2.8.1.1.2
Test Characteristic Curve: List 1B/C S403 Paper



Note: The test form is shared between 1B/C and 2B/C.

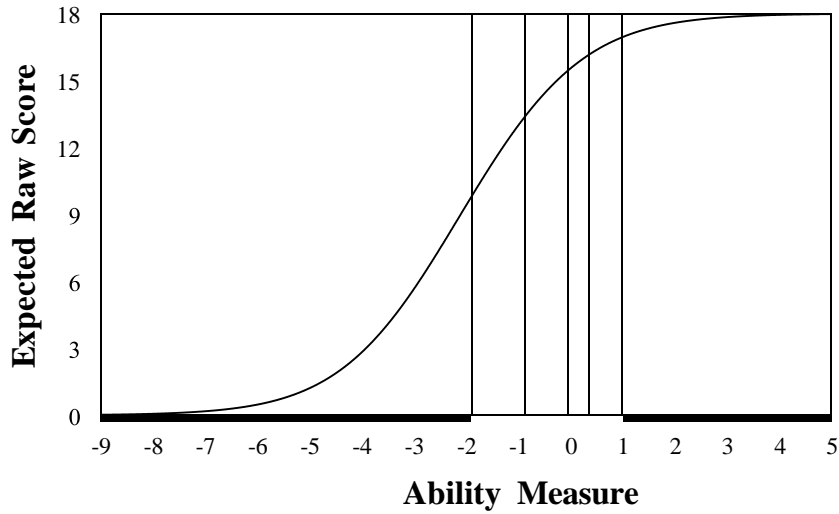
Figure 2.8.1.1.3
Test Characteristic Curve: List 1 S403 Paper



Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

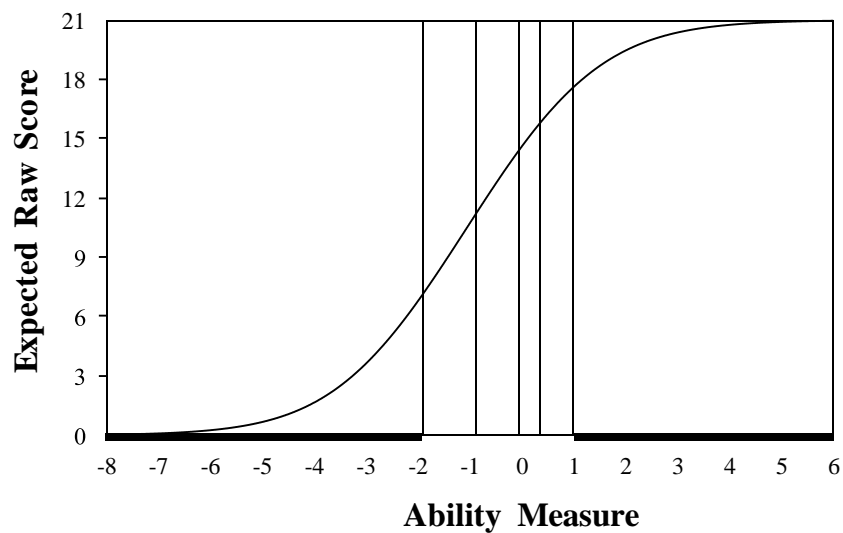
2.8.1.2 Grade 2

Figure 2.8.1.2.1
Test Characteristic Curve: List 2A S403 Paper



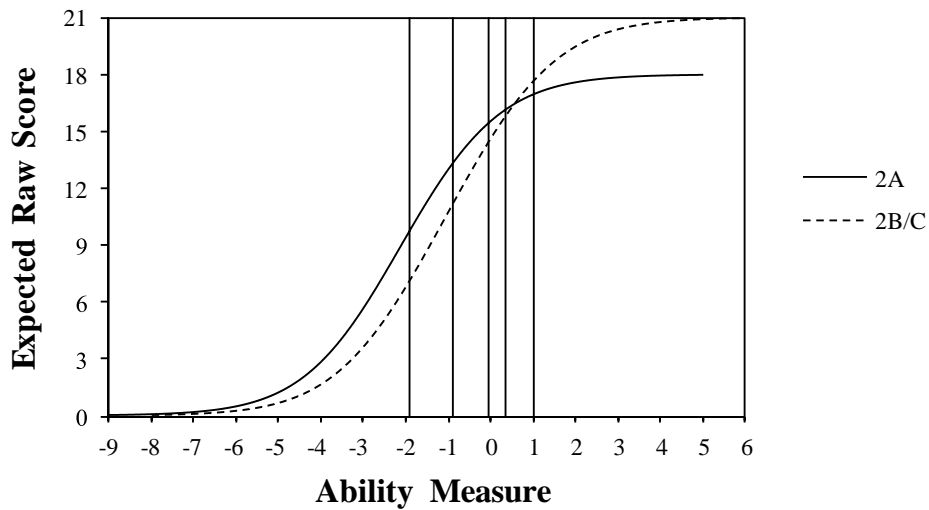
Note: The test form is shared between 1A and 2A.

Figure 2.8.1.2.2
Test Characteristic Curve: List 2B/C S403 Paper



Note: The test form is shared between 1B/C and 2B/C.

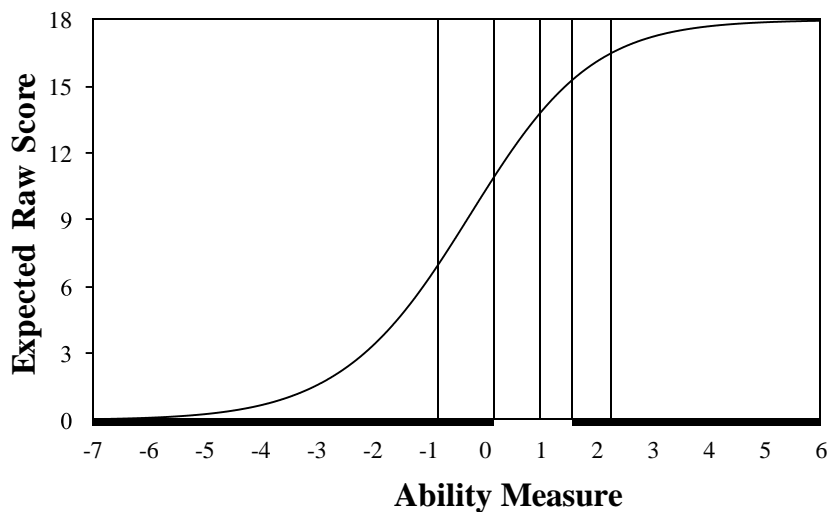
Figure 2.8.1.2.3
Test Characteristic Curve: List 2 S403 Paper



Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

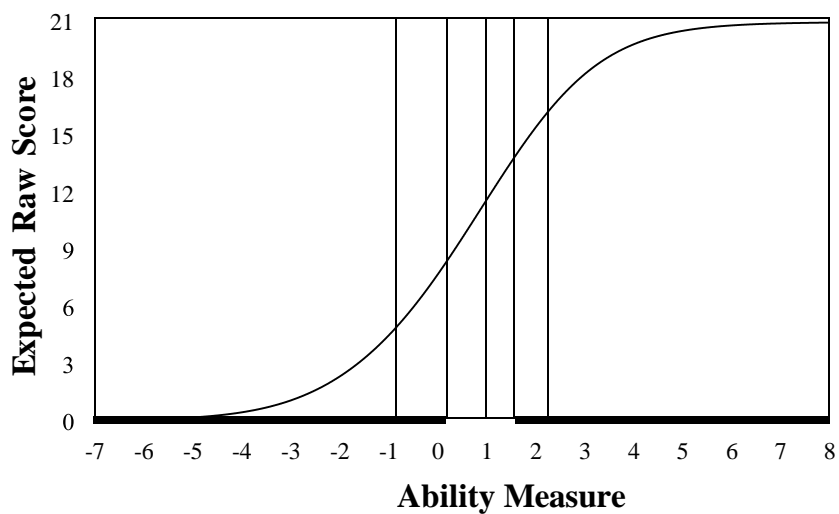
2.8.1.3 Grade 3

Figure 2.8.1.3.1
Test Characteristic Curve: List 3A S403 Paper



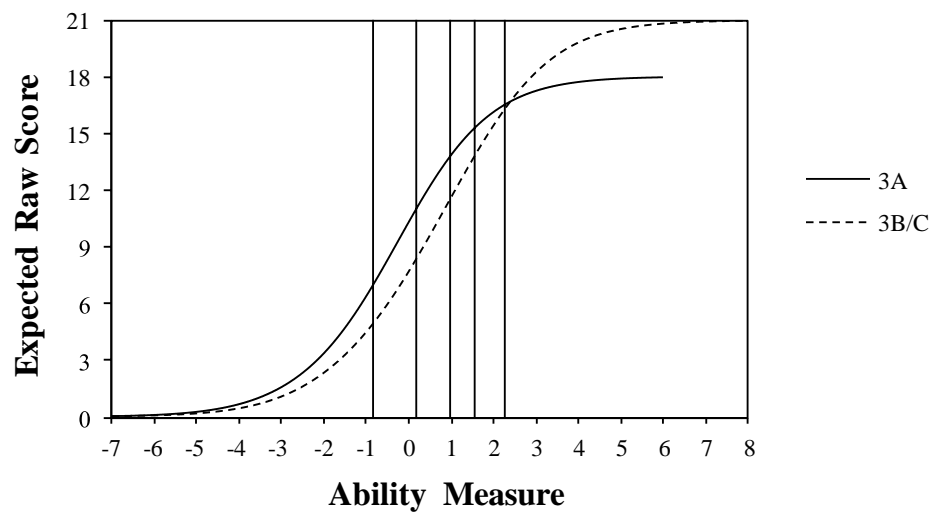
Note: The test form is shared between 3A and 4–5A.

Figure 2.8.1.3.2
Test Characteristic Curve: List 3B/C S403 Paper



Note: The test form is shared between 3B/C and 4–5B/C.

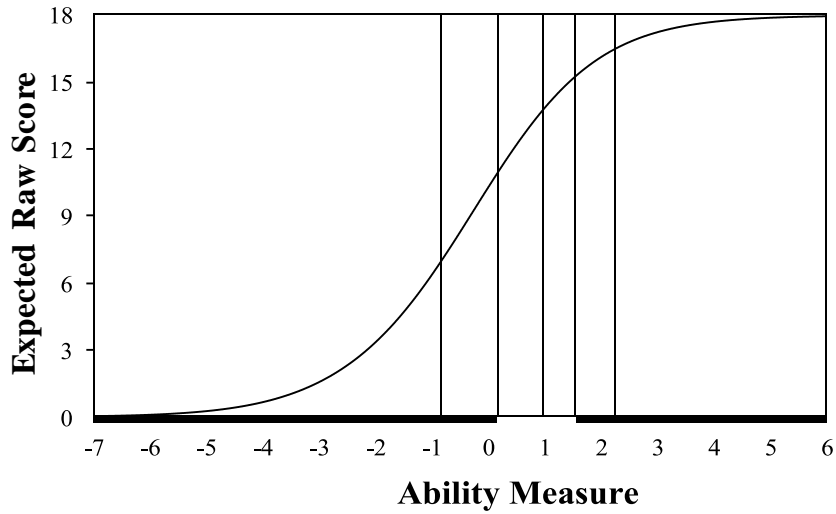
Figure 2.8.1.3.3
Test Characteristic Curve: List 3 S403 Paper



Note: The test form is shared between 3A and 4–5A, 3B/C and 4–5B/C.

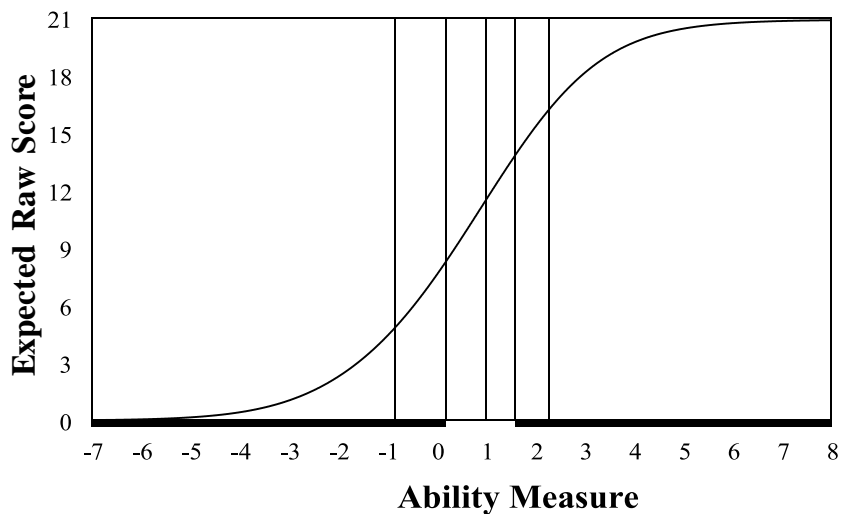
2.8.1.4 Grades 4–5

Figure 2.8.1.4.1
Test Characteristic Curve: List 4-5A S403 Paper



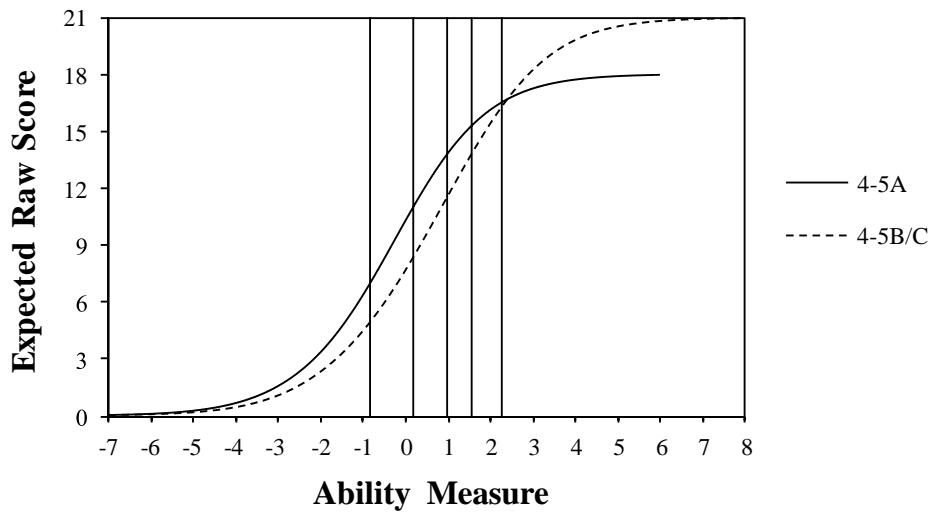
Note: The test form is shared between 3A and 4–5A.

Figure 2.8.1.4.2
Test Characteristic Curve: List 4-5B/C S403 Paper



Note: The test form is shared between 3B/C and 4–5B/C.

Figure 2.8.1.4.3
Test Characteristic Curve: List 4-5 S403 Paper



Note: The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

2.8.1.5 Grades 6–8

Figure 2.8.1.5.1
Test Characteristic Curve: List 6-8A S403 Paper

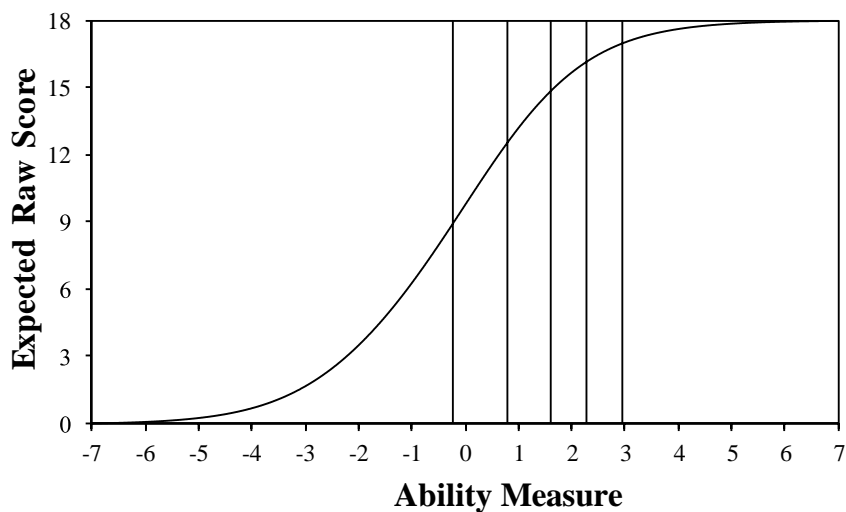


Figure 2.8.1.5.2
Test Characteristic Curve: List 6-8B/C S403 Paper

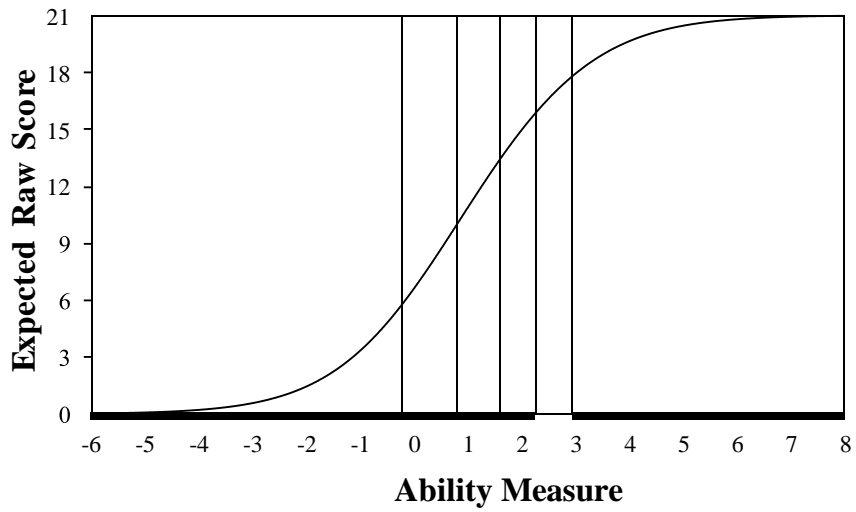
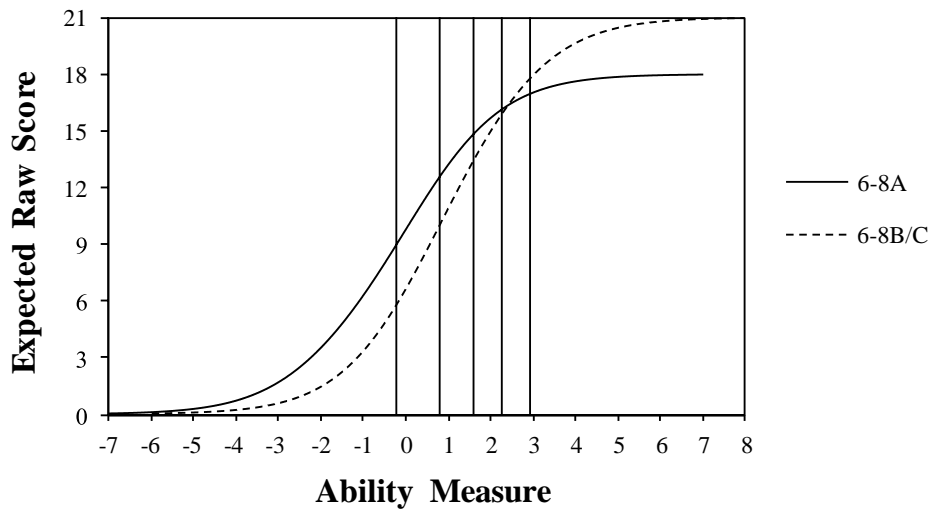


Figure 2.8.1.5.3
Test Characteristic Curve: List 6-8 S403 Paper



2.8.1.6 Grades 9–12

Figure 2.8.1.6.1
Test Characteristic Curve: List 9-12A S403 Paper

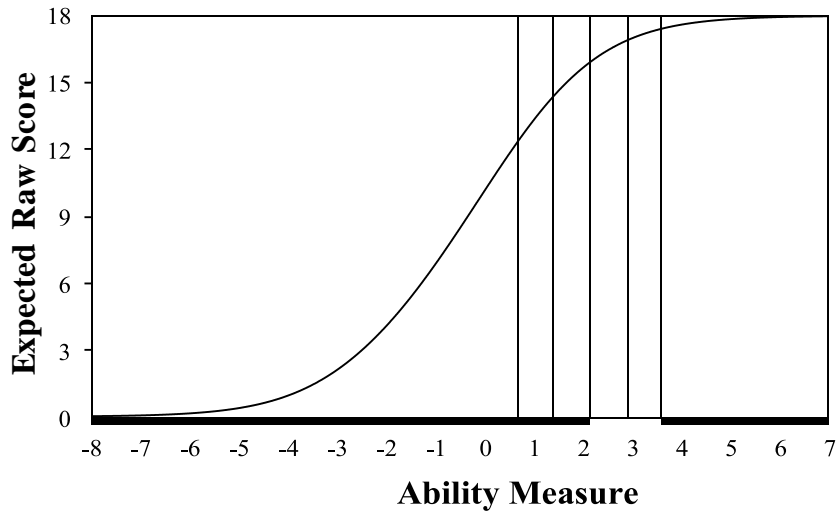


Figure 2.8.1.6.2
Test Characteristic Curve: List 9-12B/C S403 Paper

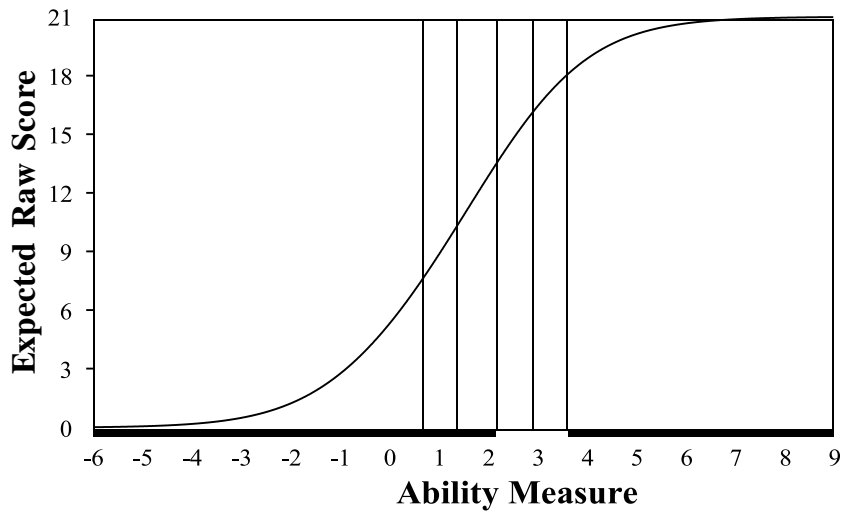
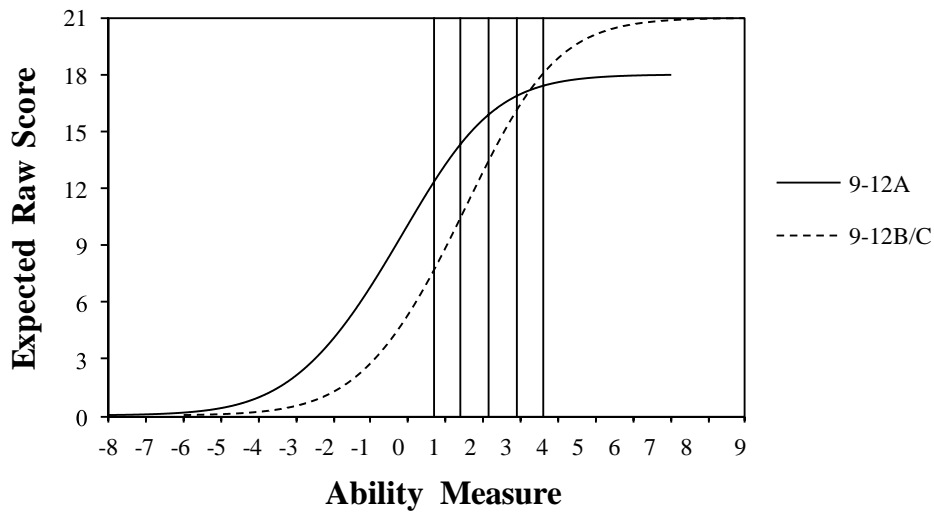


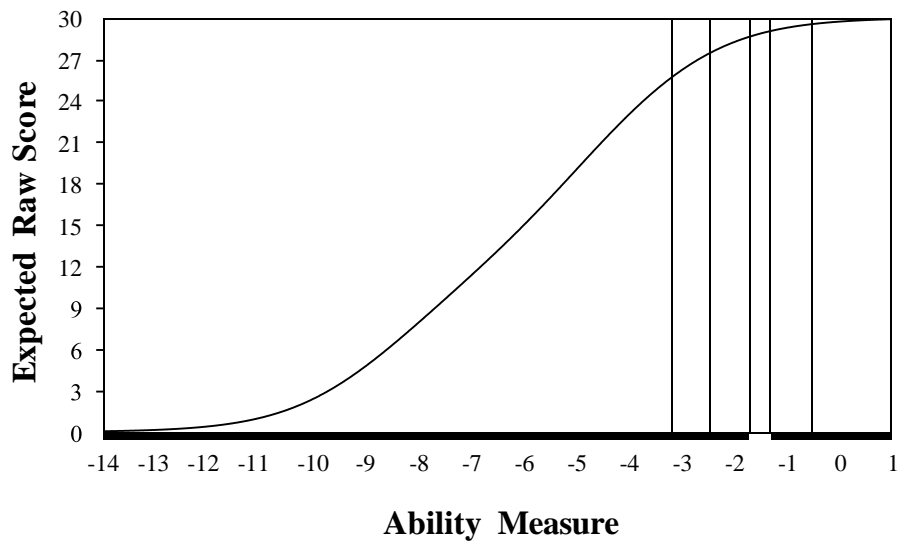
Figure 2.8.1.6.3
Test Characteristic Curve: List 9-12 S403 Paper



2.8.2 Reading

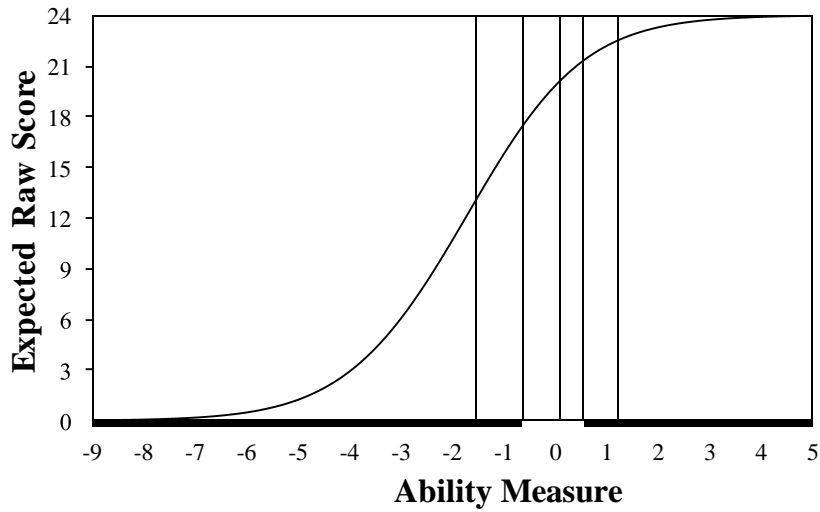
2.8.2.0 Kindergarten

Figure 2.8.2.0
Test Characteristic Curve: ReadK S403 Paper



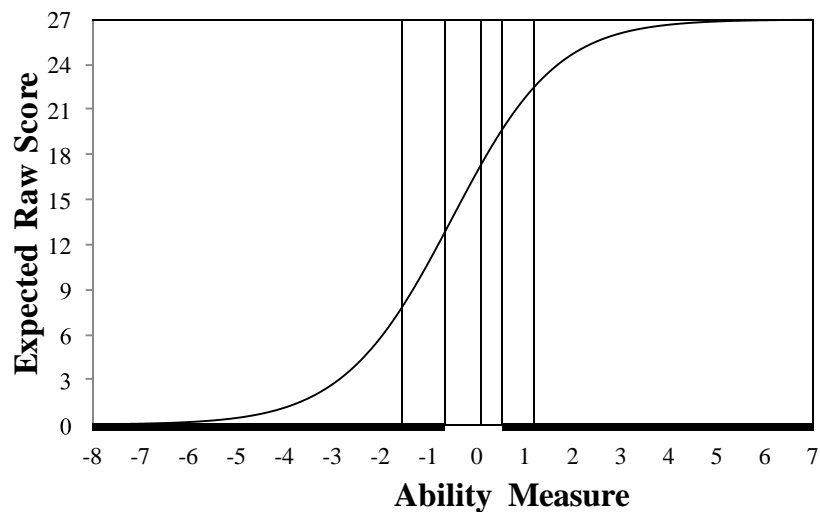
2.8.2.1 Grade 1

Figure 2.8.2.1.1
Test Characteristic Curve: Read 1A S403 Paper



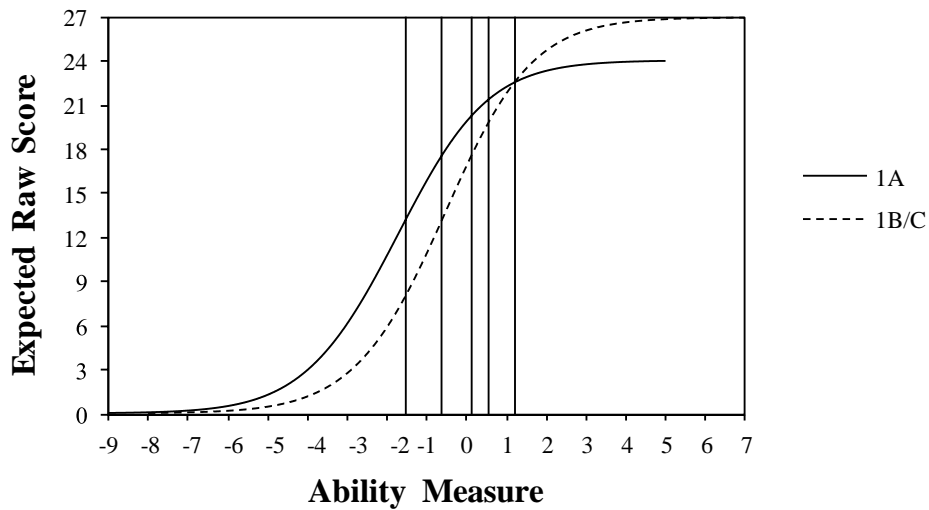
Note: The test form is shared between 1A and 2A.

Figure 2.8.2.1.2
Test Characteristic Curve: Read 1B/C S403 Paper



Note: The test form is shared between 1B/C and 2B/C.

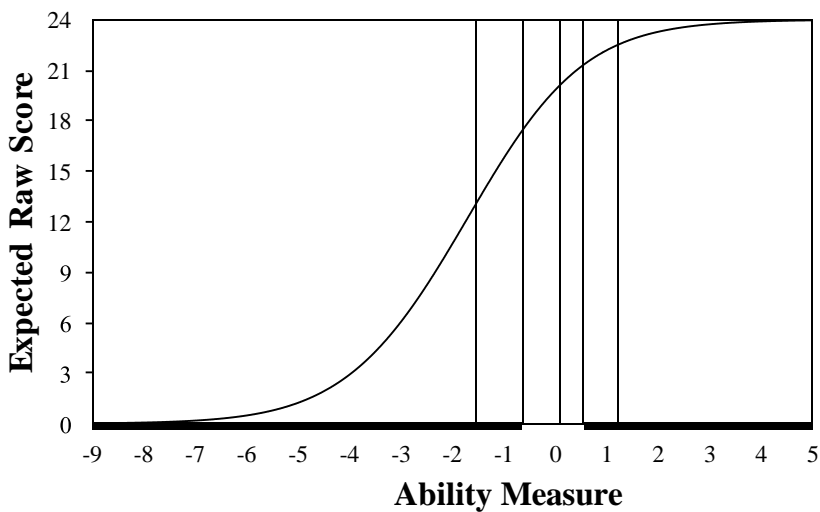
Figure 2.8.2.1.3
Test Characteristic Curve: Read 1 S403 Paper



Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

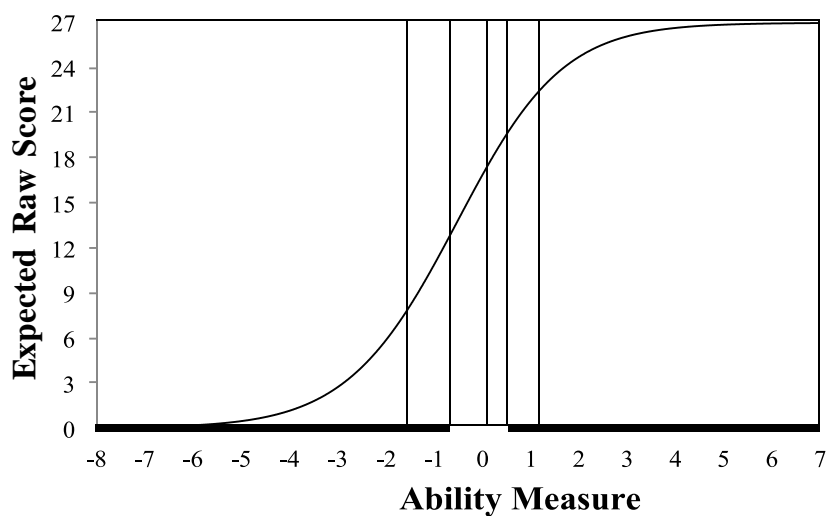
2.8.2.2 Grade 2

Figure 2.8.2.2.1
Test Characteristic Curve: Read 2A S403 Paper



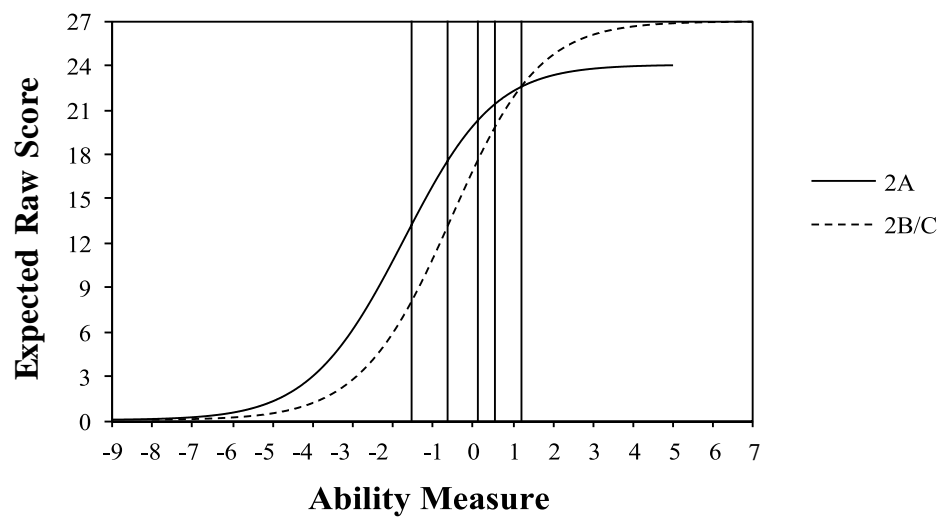
Note: The test form is shared between 1A and 2A.

Figure 2.8.2.2.2
Test Characteristic Curve: Read 2B/C S403 Paper



Note: The test form is shared between 1B/C and 2B/C.

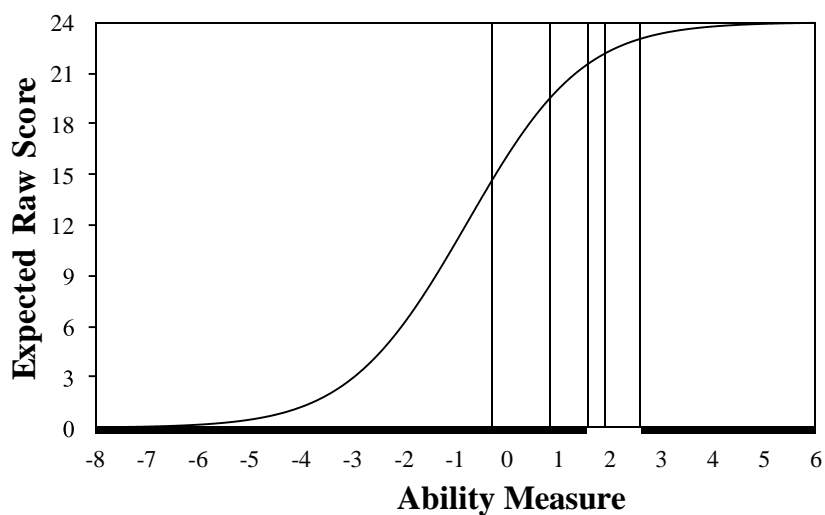
Figure 2.8.2.2.3
Test Characteristic Curve: Read 2 S403 Paper



Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

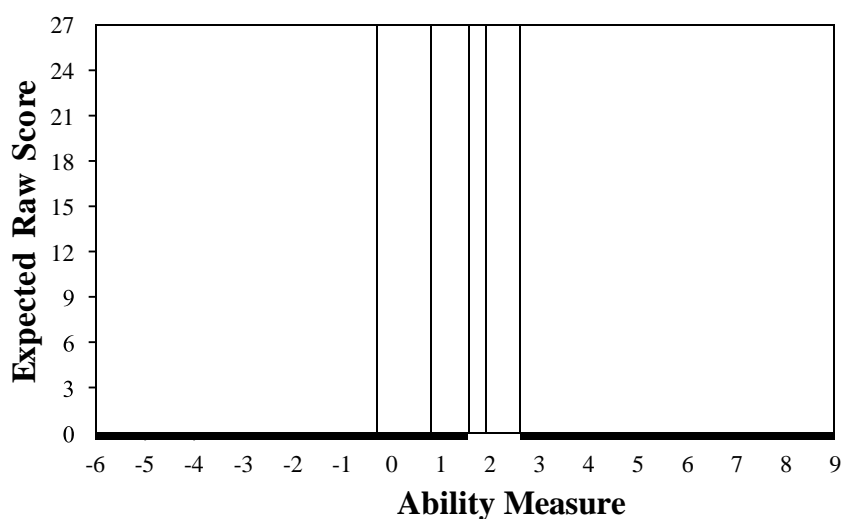
2.8.2.3 Grade 3

Figure 2.8.2.3.1
Test Characteristic Curve: Read 3A S403 Paper



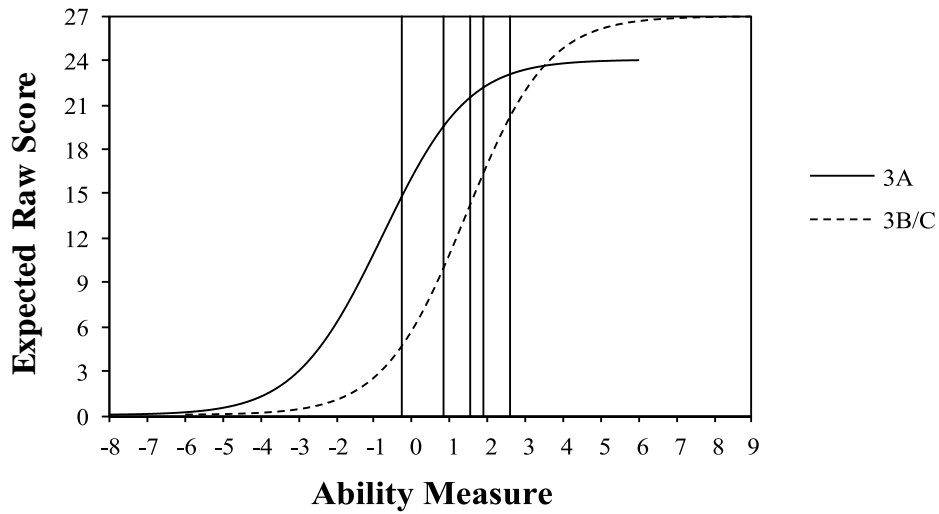
Note: The test form is shared between 3A and 4–5A.

Figure 2.8.2.3.2
Test Characteristic Curve: Read3B/C S403 Paper



Note: The test form is shared between 3B/C and 4–5B/C.

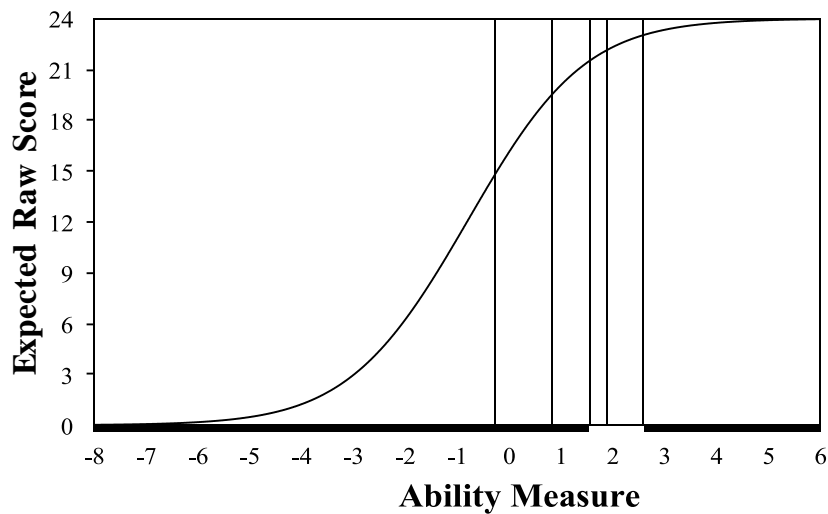
Figure 2.8.2.3.3
Test Characteristic Curve: Read 3 S403 Paper



Note: The test form is shared between 3A and 4–5A, 3B/C and 4–5B/C.

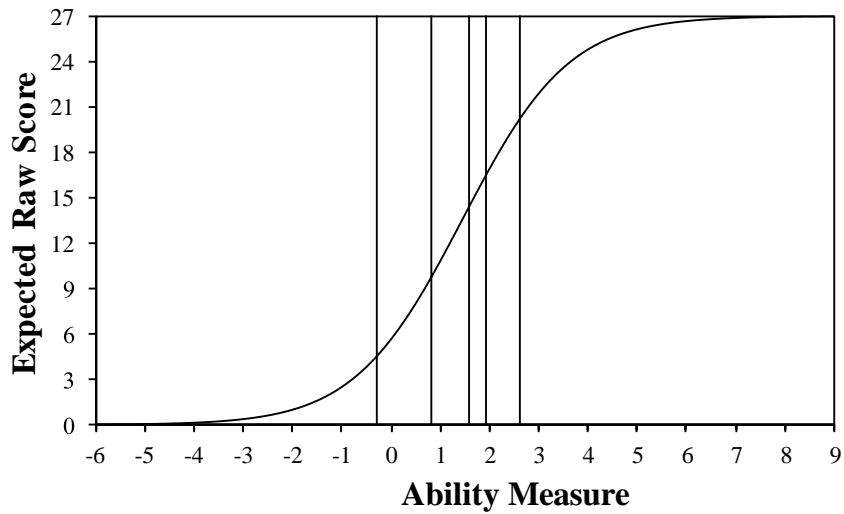
2.8.2.4 Grades 4–5

Figure 2.8.2.4.1
Test Characteristic Curve: Read 4-5A S403 Paper



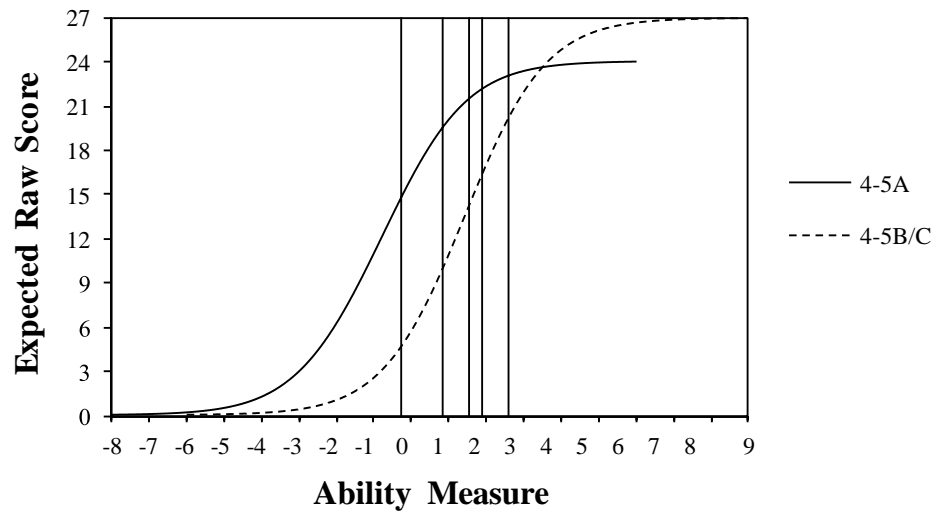
Note: The test form is shared between 3A and 4–5A.

Figure 2.8.2.4.2
Test Characteristic Curve: Read 4-5B/C S403 Paper



Note: The test form is shared between 3B/C and 4-5B/C.

Figure 2.8.2.4.3
Test Characteristic Curve: Read 4-5 S403 Paper



Note: The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

2.8.2.5 Grades 6–8

Figure 2.8.2.5.1
Test Characteristic Curve: Read 6-8A S403 Paper

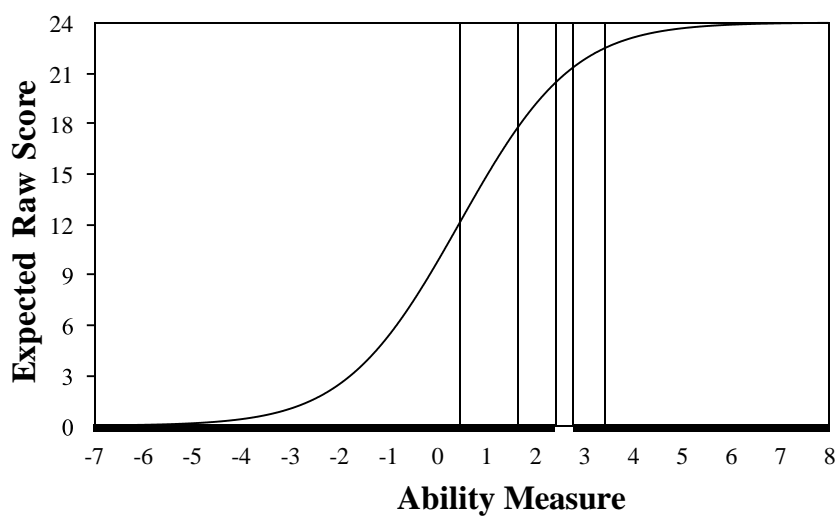


Figure 2.8.2.5.2
Test Characteristic Curve: Read 6-8B/C S403 Paper

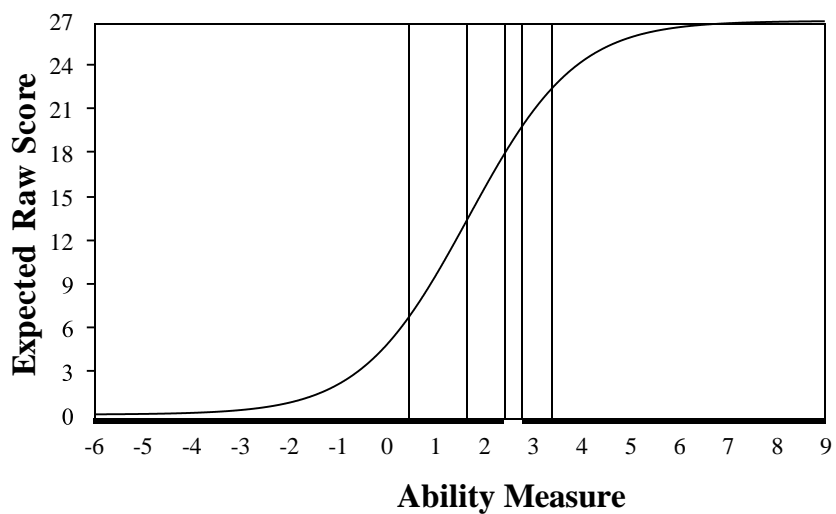
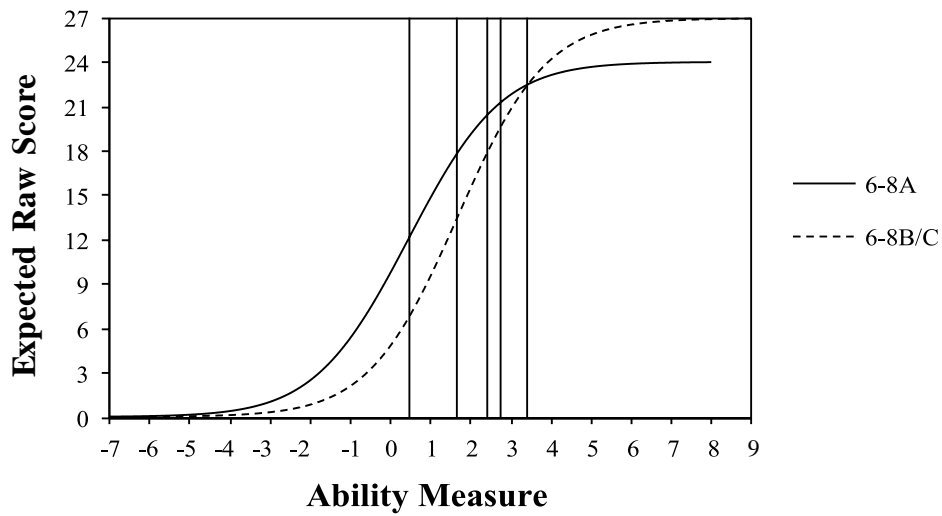


Figure 2.8.2.5.3
Test Characteristic Curve: Read 6-8 S403 Paper



2.8.2.6 Grades 9–12

Figure 2.8.2.6.1
Test Characteristic Curve: Read 9-12A S403 Paper

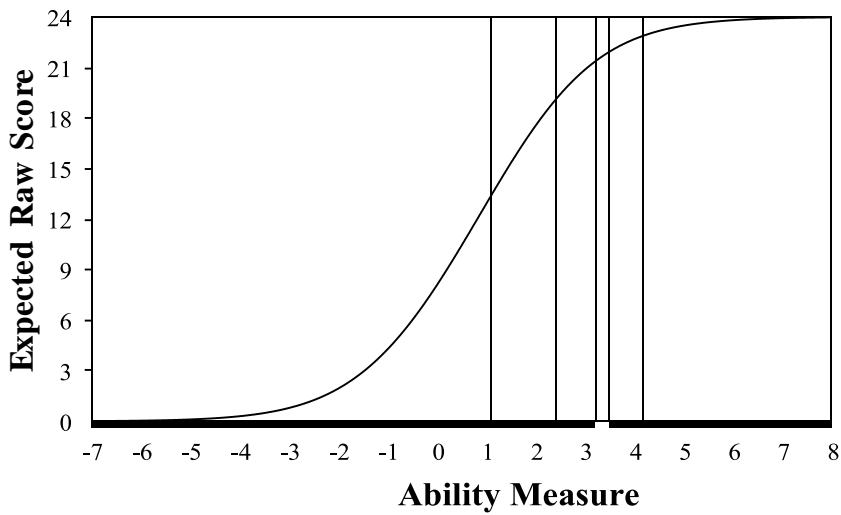


Figure 2.8.2.6.2
Test Characteristic Curve: Read9-12B/C S403 Paper

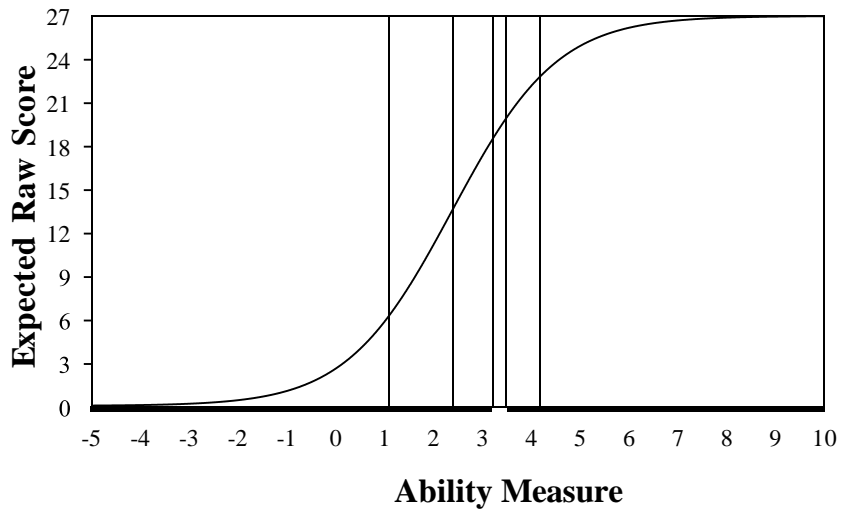
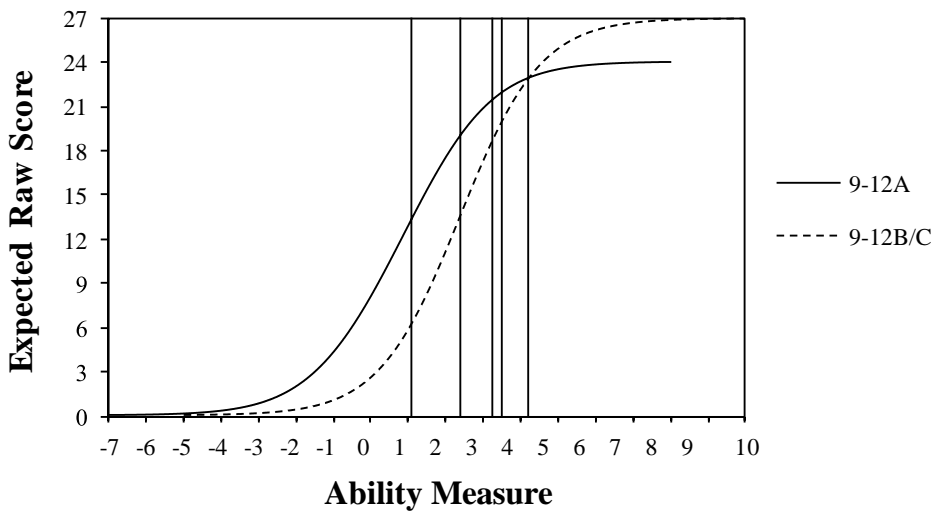
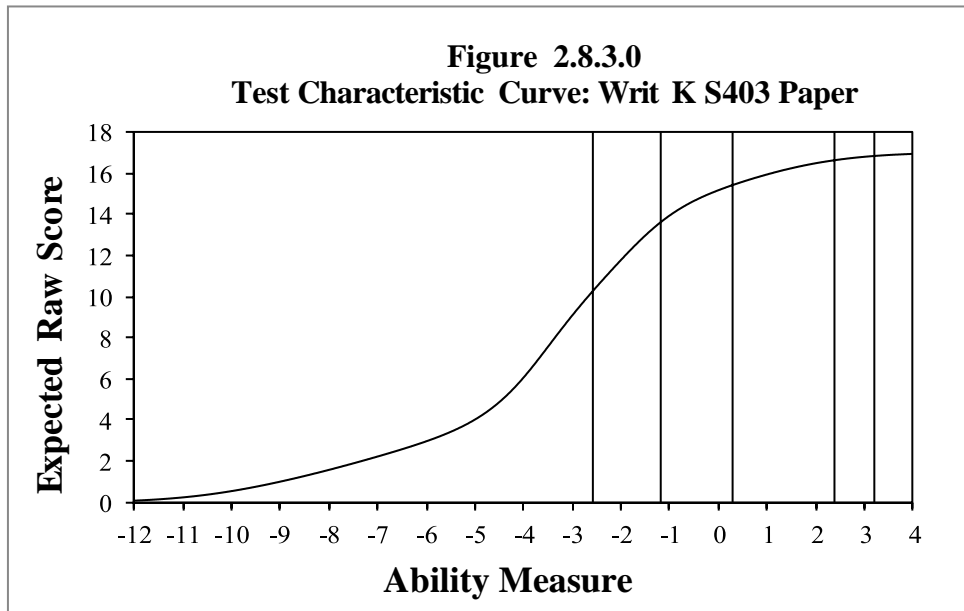


Figure 2.8.2.6.3
Test Characteristic Curve: Read 9-12 S403 Paper



2.8.3 Writing

2.8.3.0 Kindergarten



2.8.3.1 Grade 1

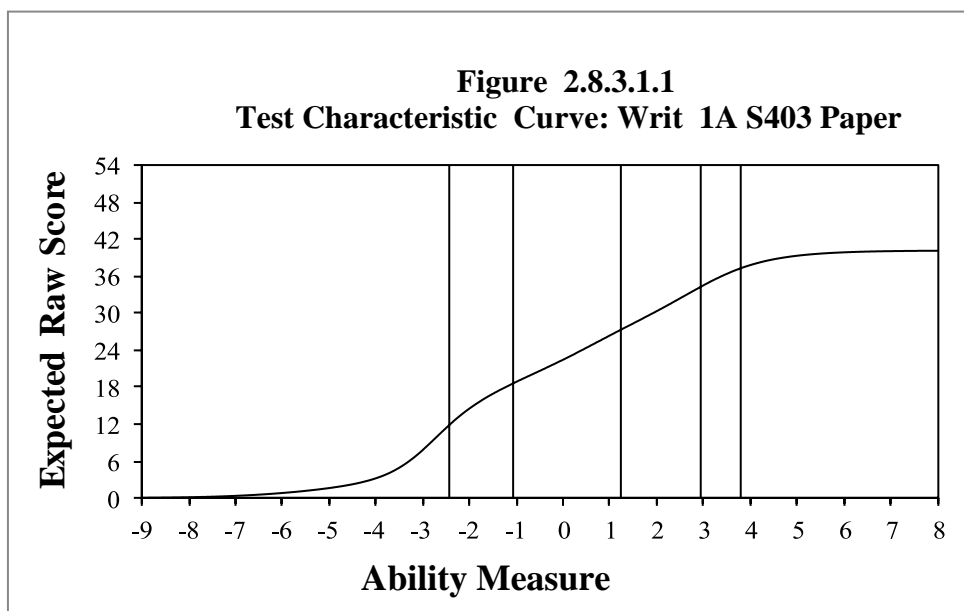


Figure 2.8.3.1.2
Test Characteristic Curve: Writ 1B/C S403 Paper

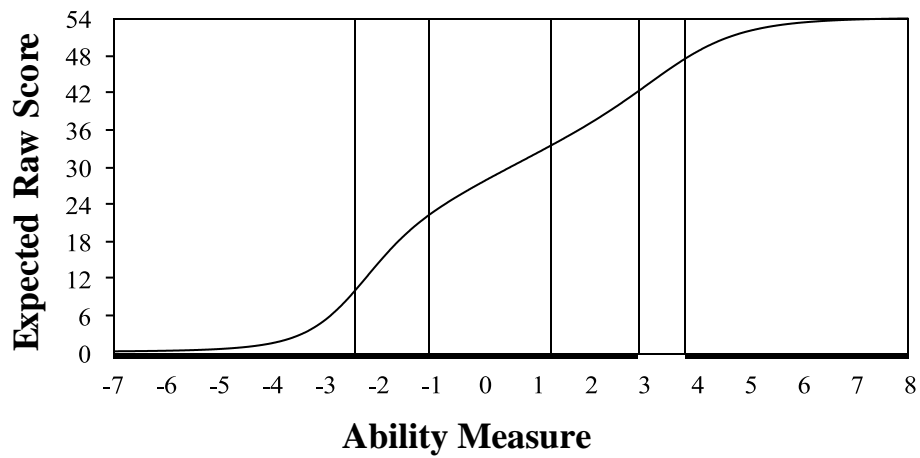
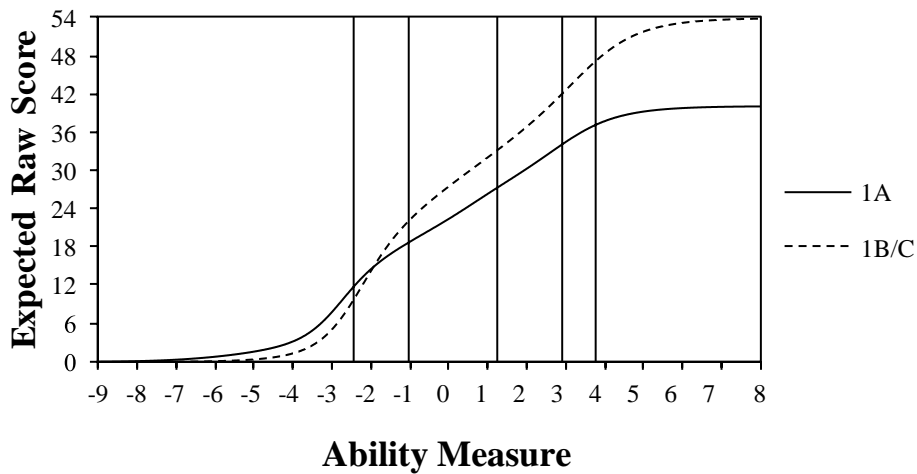
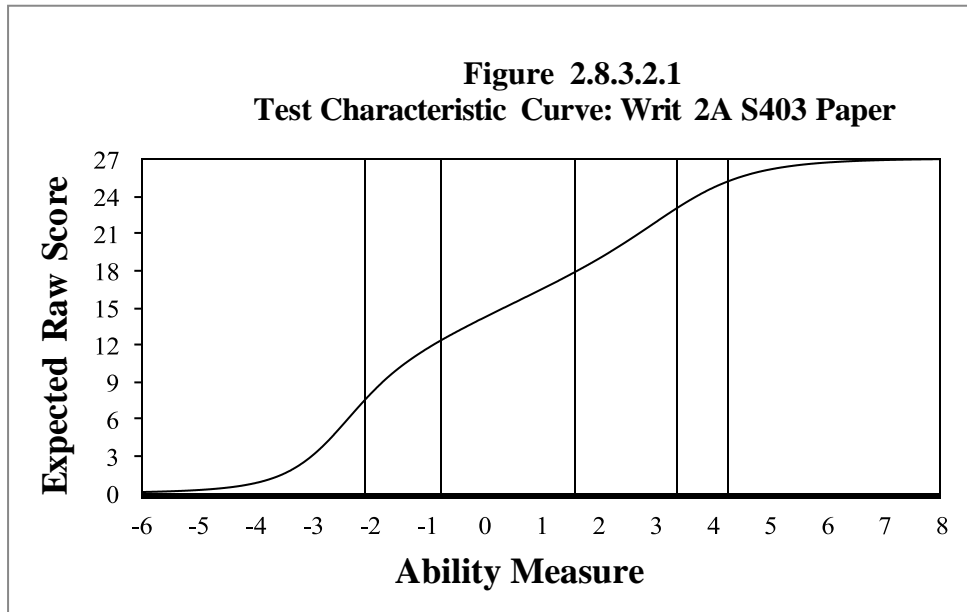


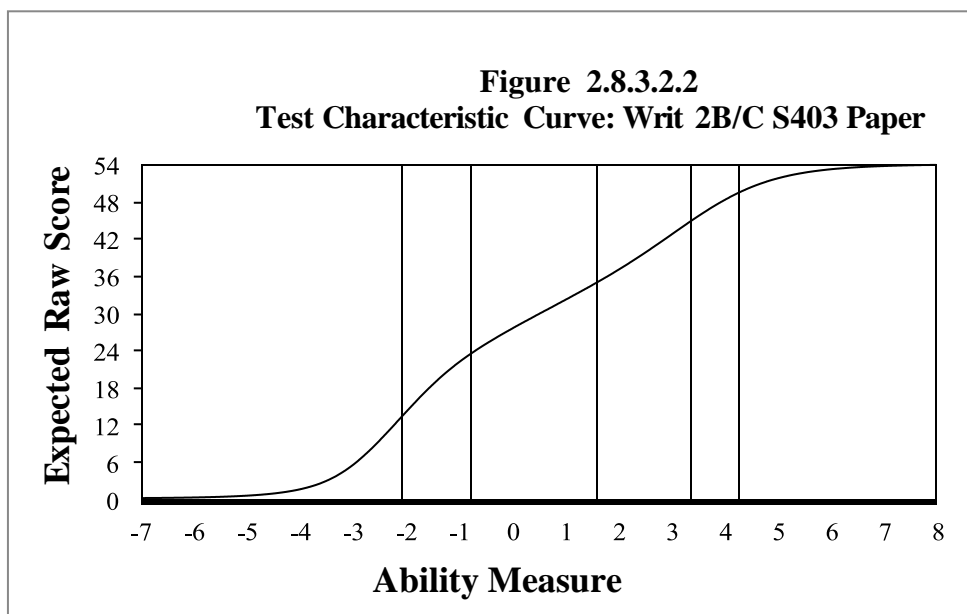
Figure 2.8.3.1.3
Test Characteristic Curve: Writ 1 S403 Paper



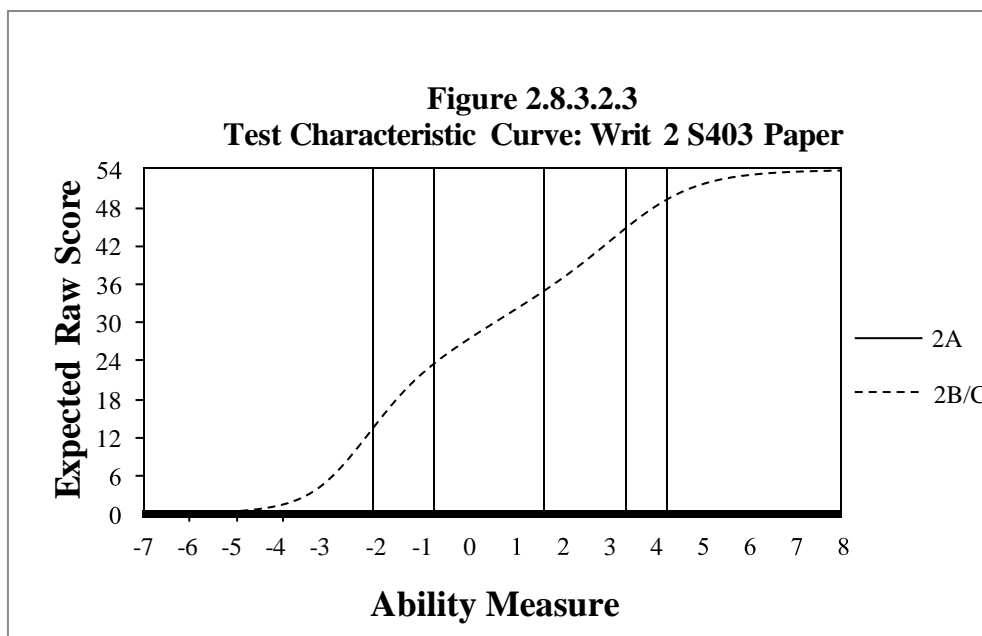
2.8.3.2 Grade 2



Note: The test form is shared between 2A and 3A.

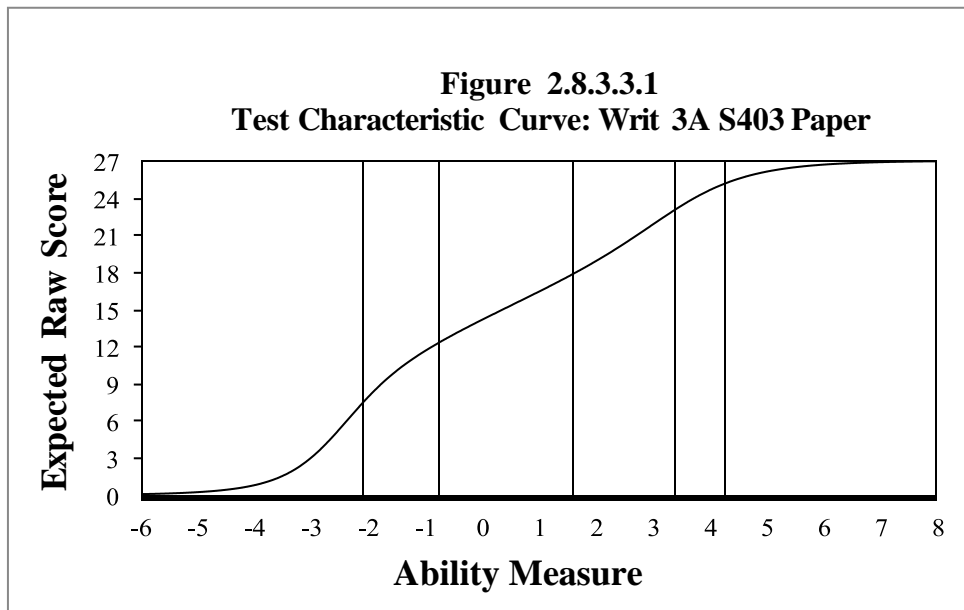


Note: The test form is shared between 2B/C and 3B/C.



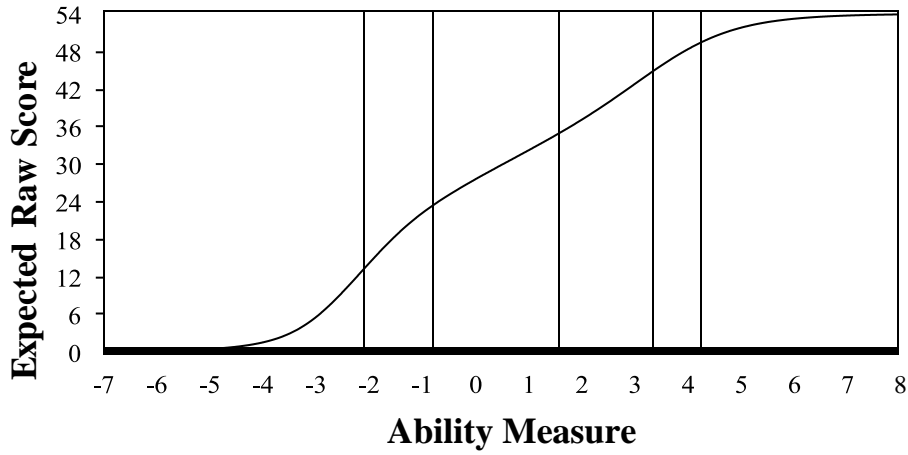
Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.8.3.3 Grade 3



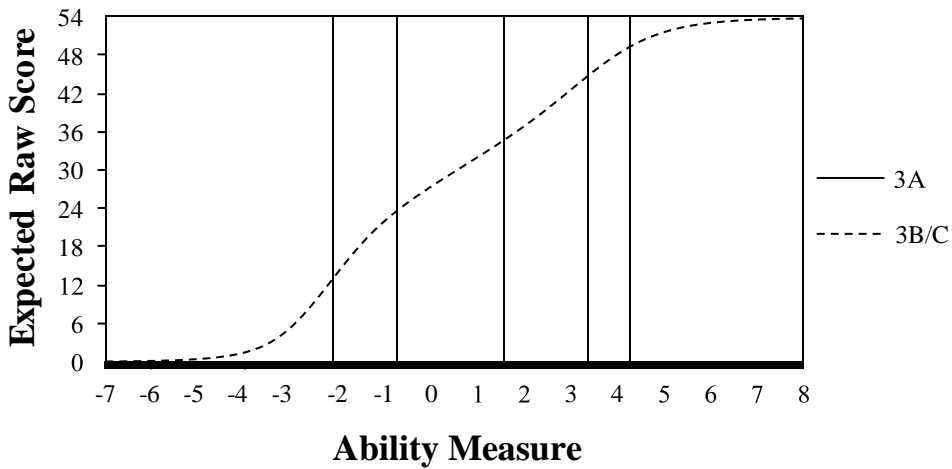
Note: The test form is shared between 2A and 3A.

Figure 2.8.3.3.2
Test Characteristic Curve: Writ 3B/C S403 Paper



Note: The test form is shared between 2B/C and 3B/C.

Figure 2.8.3.3.3
Test Characteristic Curve: Writ 3 S403 Paper



Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.8.3.4 Grades 4–5

Figure 2.8.3.4.1
Test Characteristic Curve: Writ 4-5A S403 Paper

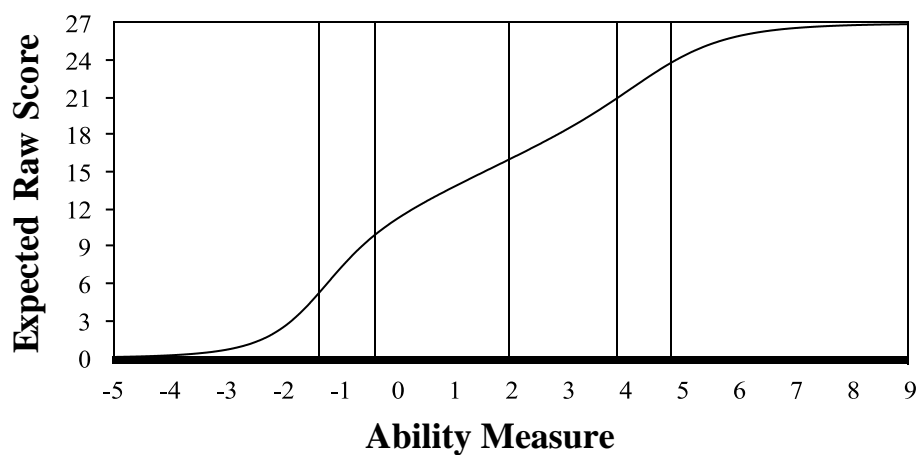
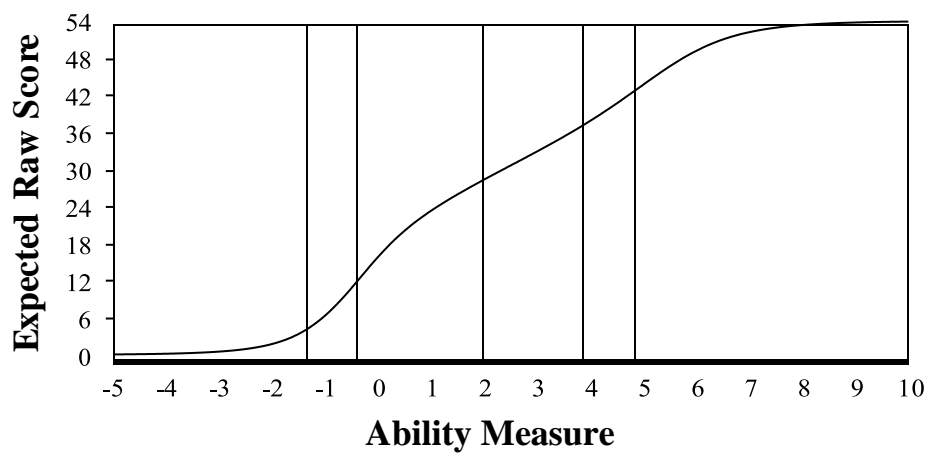
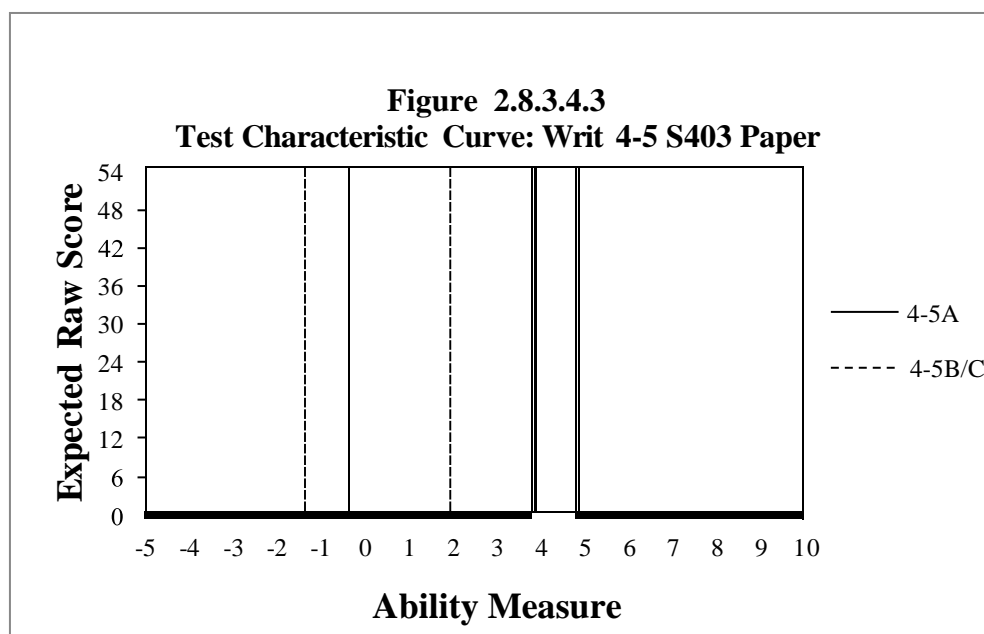


Figure 2.8.3.4.2
Test Characteristic Curve: Writ 4-5B/C S403 Paper





2.8.3.5 Grades 6–8

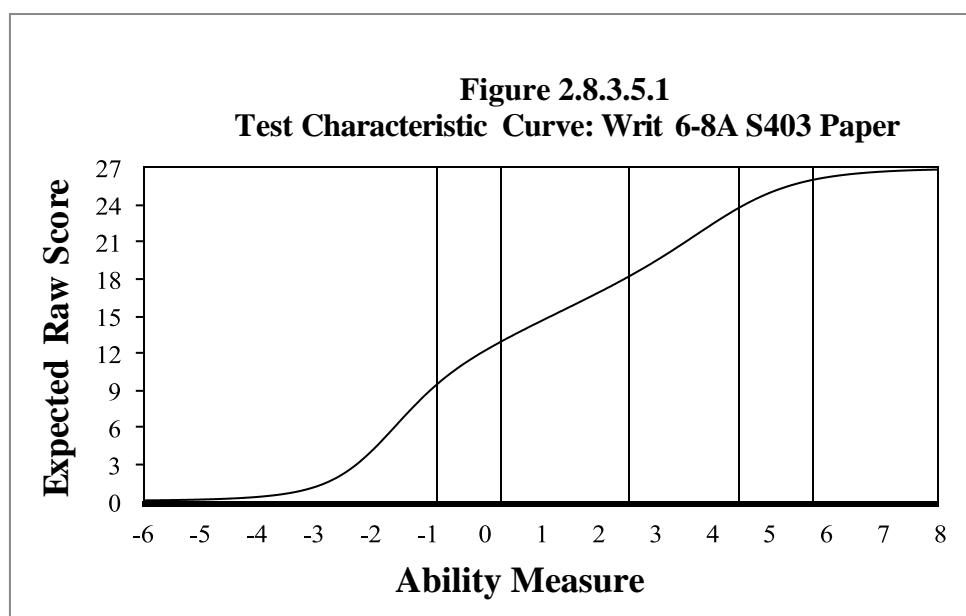


Figure 2.8.3.5.2
Test Characteristic Curve: Writ 6-8B/C S403 Paper

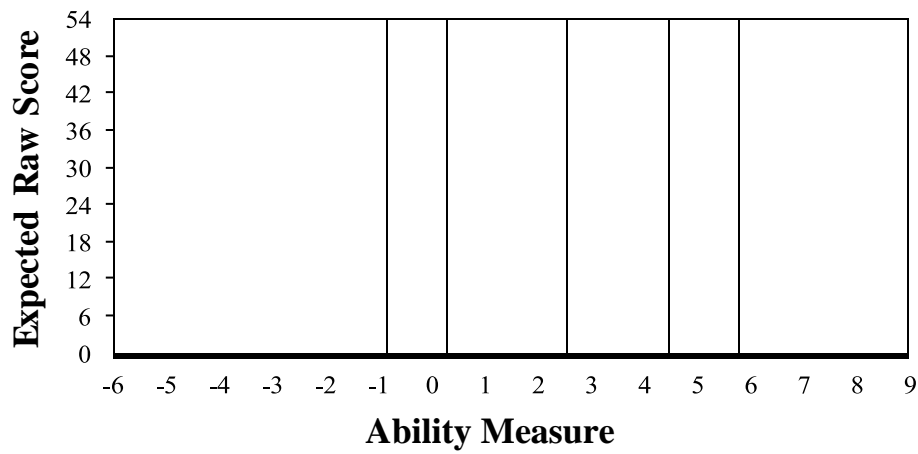
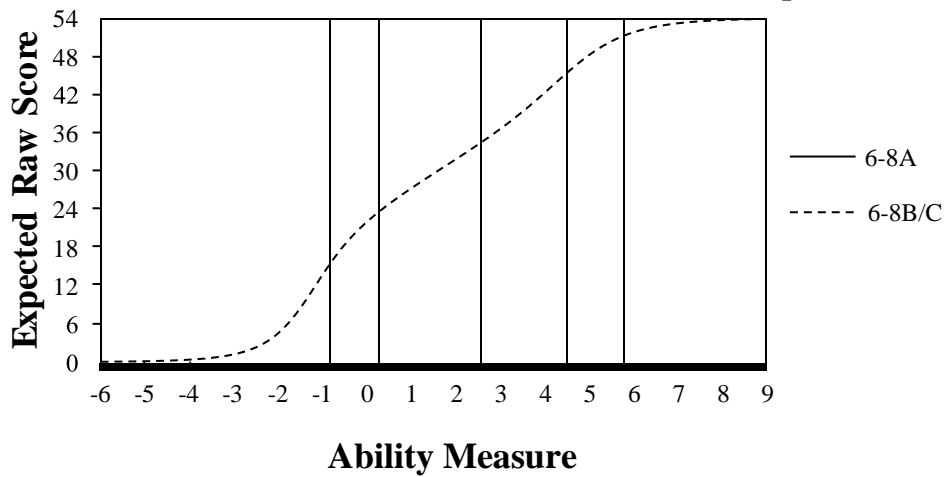


Figure 2.8.3.5.3
Test Characteristic Curve: Writ 6-8 S403 Paper



2.8.3.6 Grades 9–12

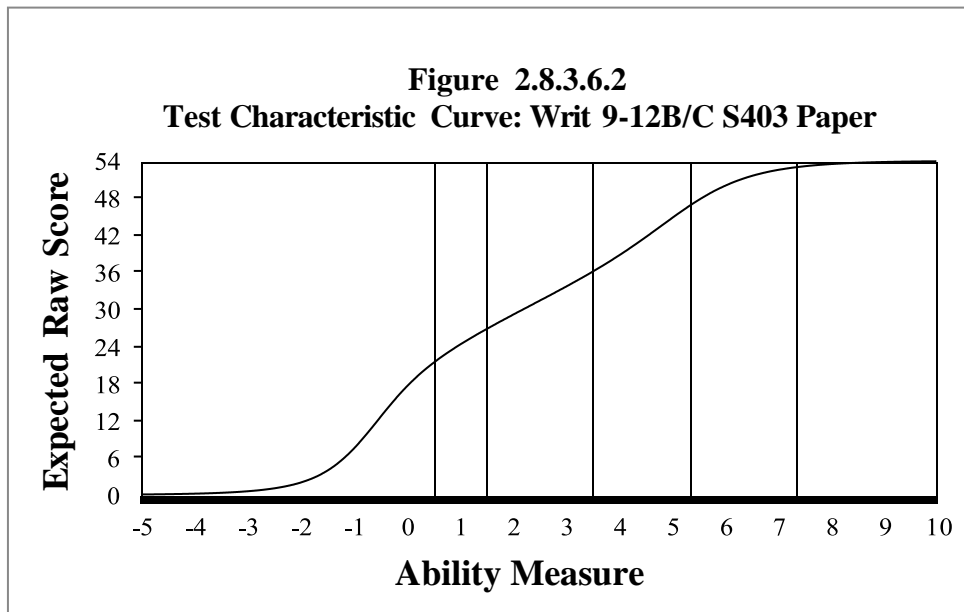
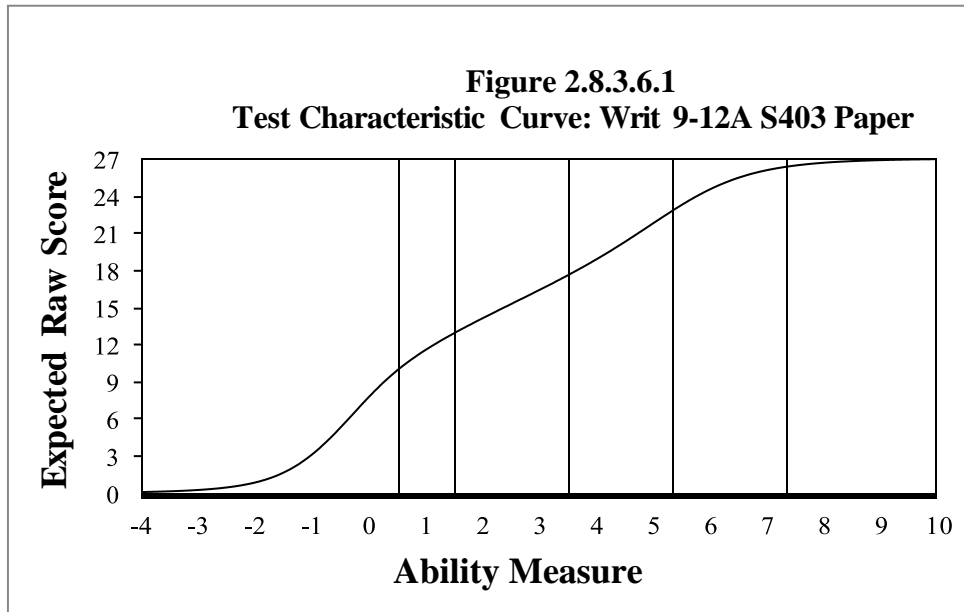
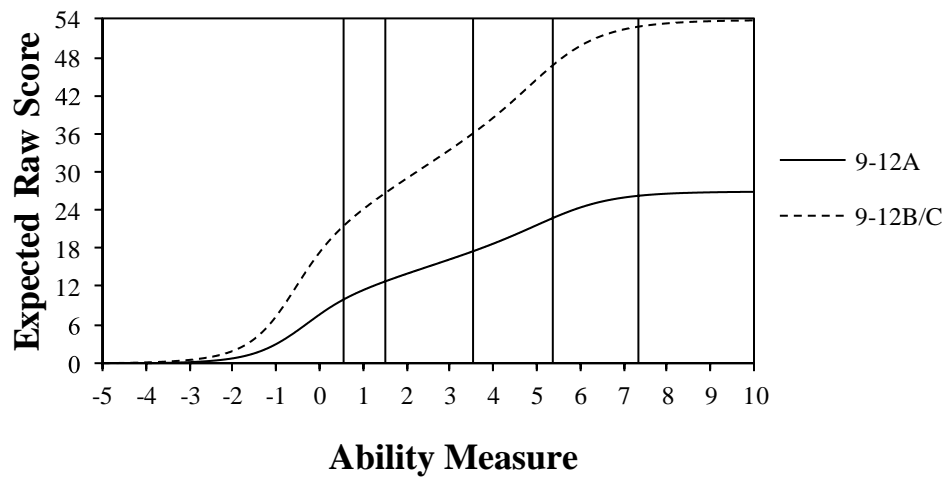
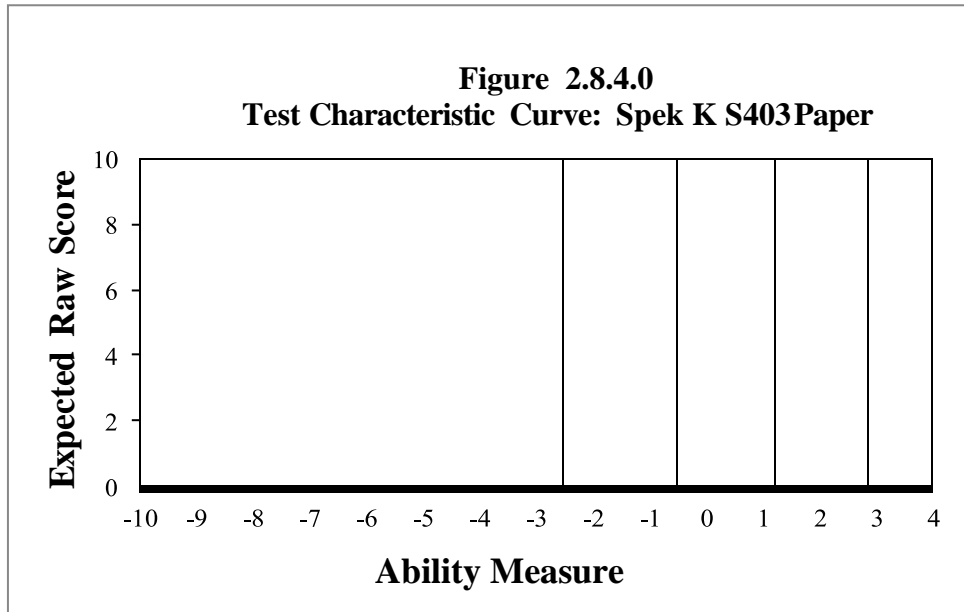


Figure 2.8.3.6.3
Test Characteristic Curve: Writ 9-12 S403 Paper



2.8.4 Speaking

2.8.4.0 Kindergarten



2.8.4.1 Grade 1

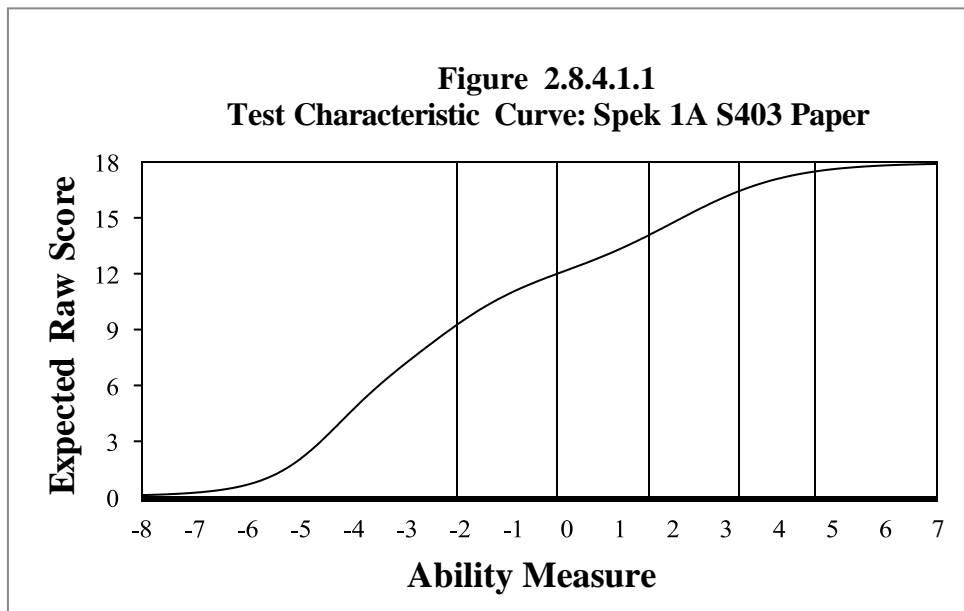


Figure 2.8.4.1.2
Test Characteristic Curve: Spek 1B/C S403 Paper

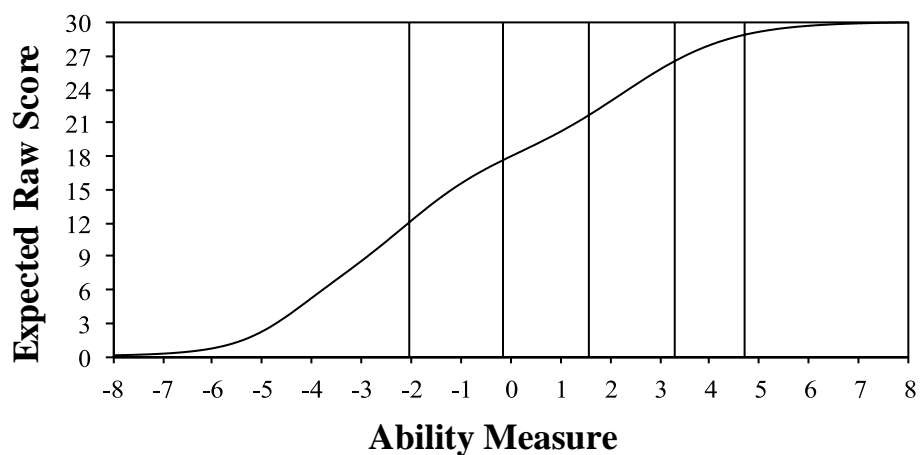
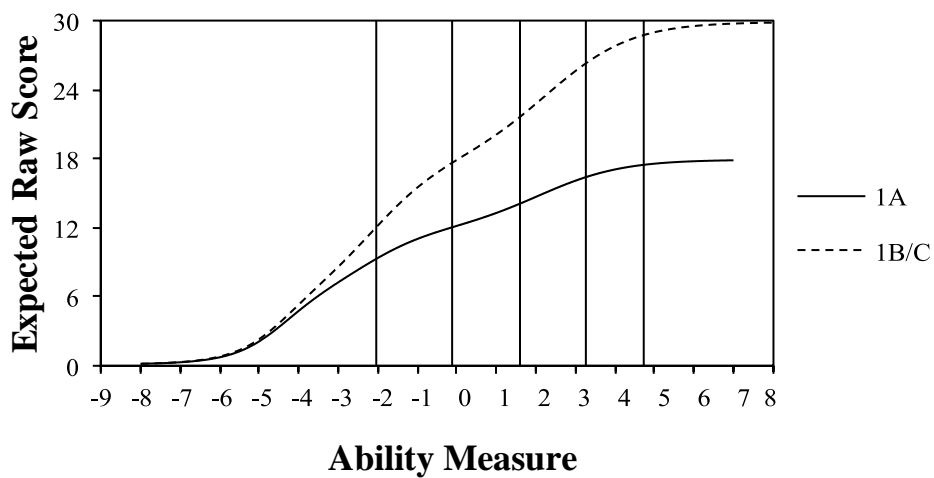
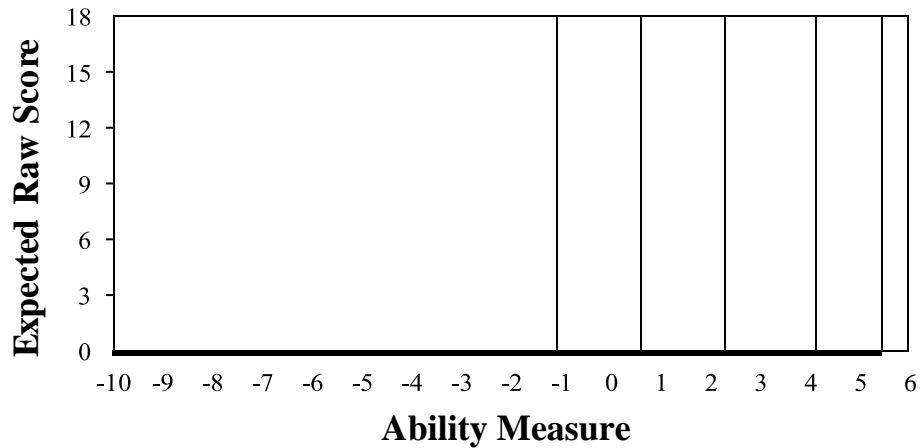


Figure 2.8.4.1.3
Test Characteristic Curve: Spek 1 S403 Paper



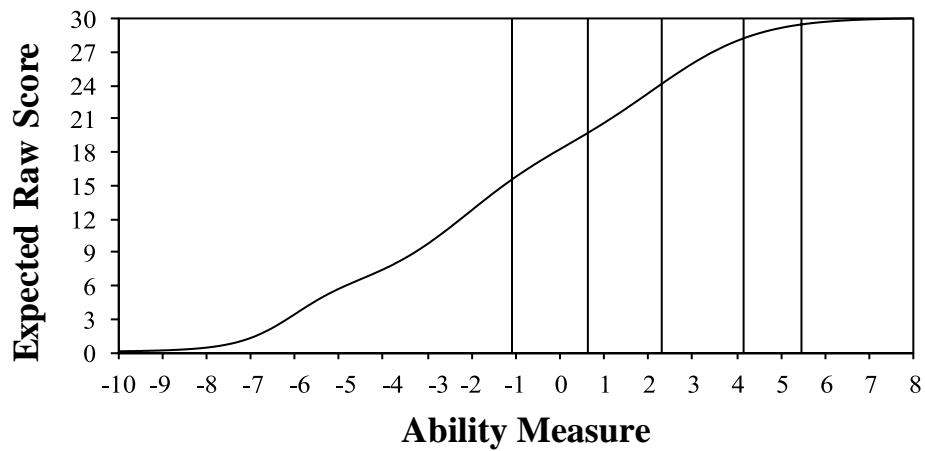
2.8.4.2 Grade 2

Figure 2.8.4.2.1
Test Characteristic Curve: Spek 2A S403 Paper



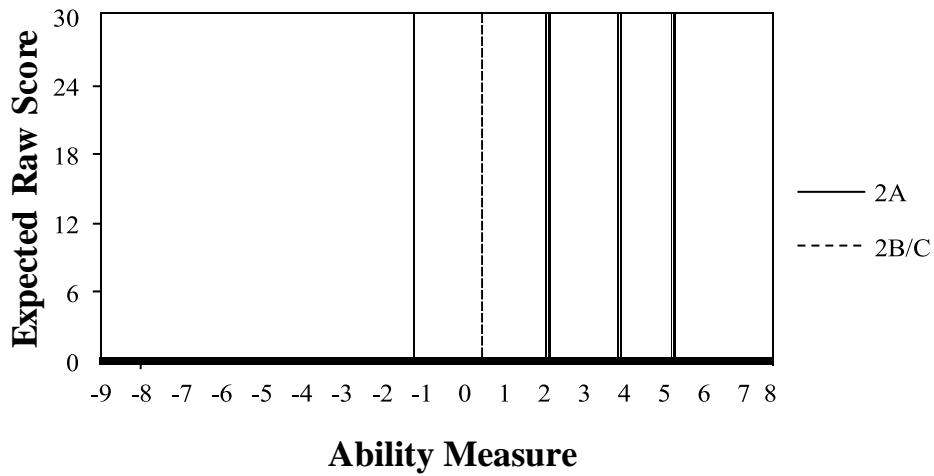
Note: The test form is shared between 2A and 3A.

Figure 2.8.4.2.2
Test Characteristic Curve: Spek 2B/C S403 Paper



Note: The test form is shared between 2B/C and 3B/C.

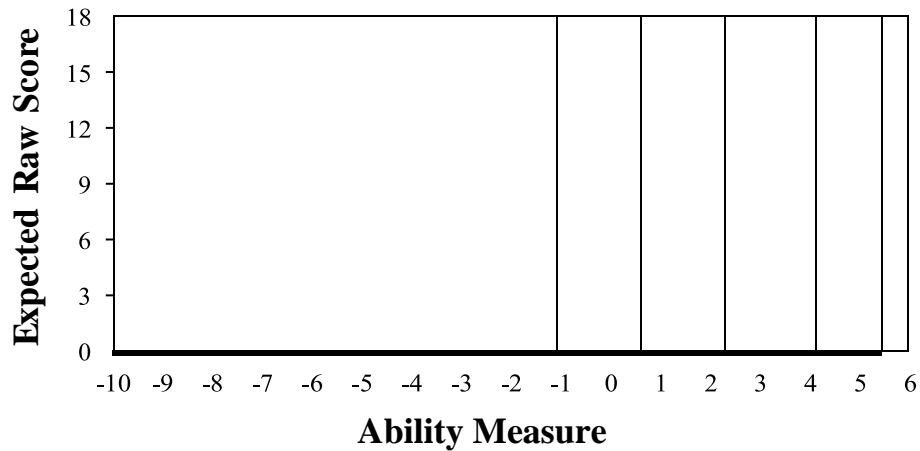
Figure 2.8.4.2.3
Test Characteristic Curve: Spek 2 S403 Paper



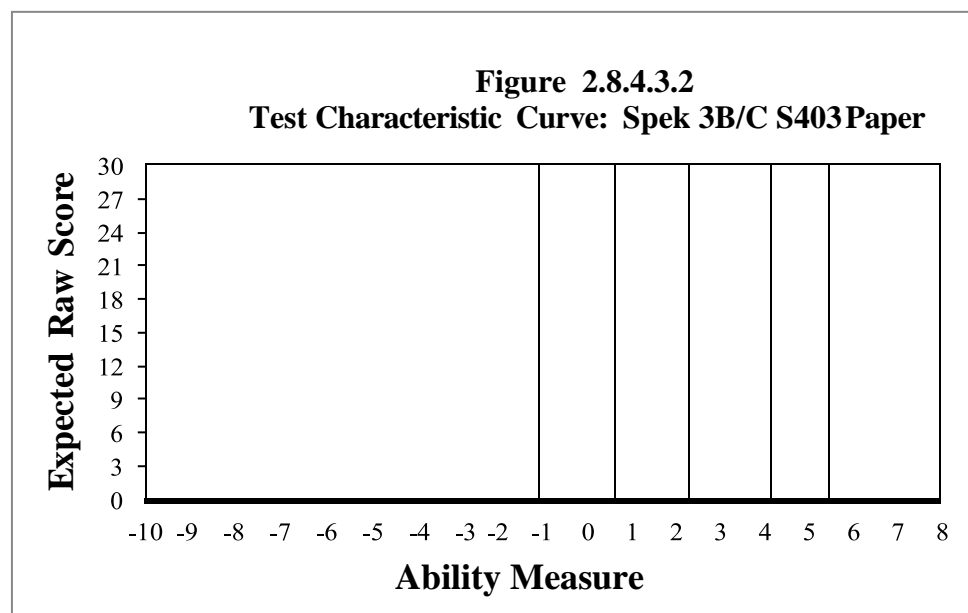
Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.8.4.3 Grade 3

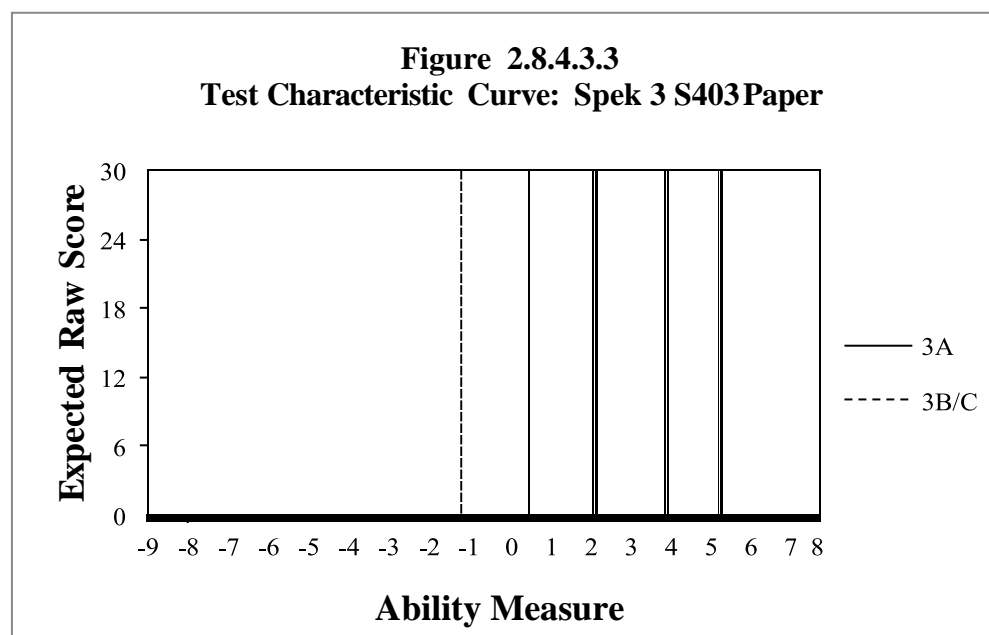
Figure 2.8.4.3.1
Test Characteristic Curve: Spek 3A S403 Paper



Note: The test form is shared between 2A and 3A.



Note: The test form is shared between 2B/C and 3B/C.



Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.8.4.4 Grades 4–5

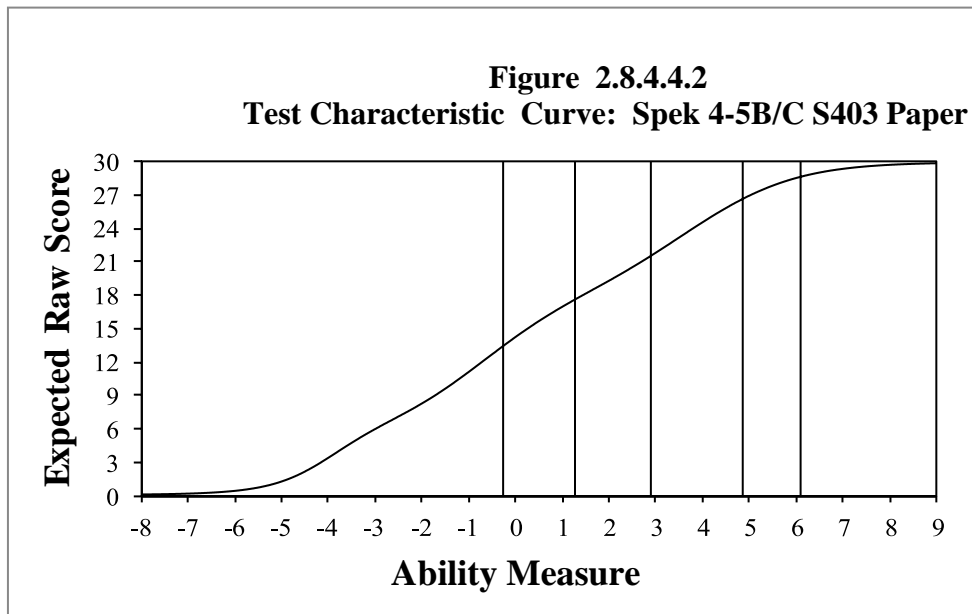
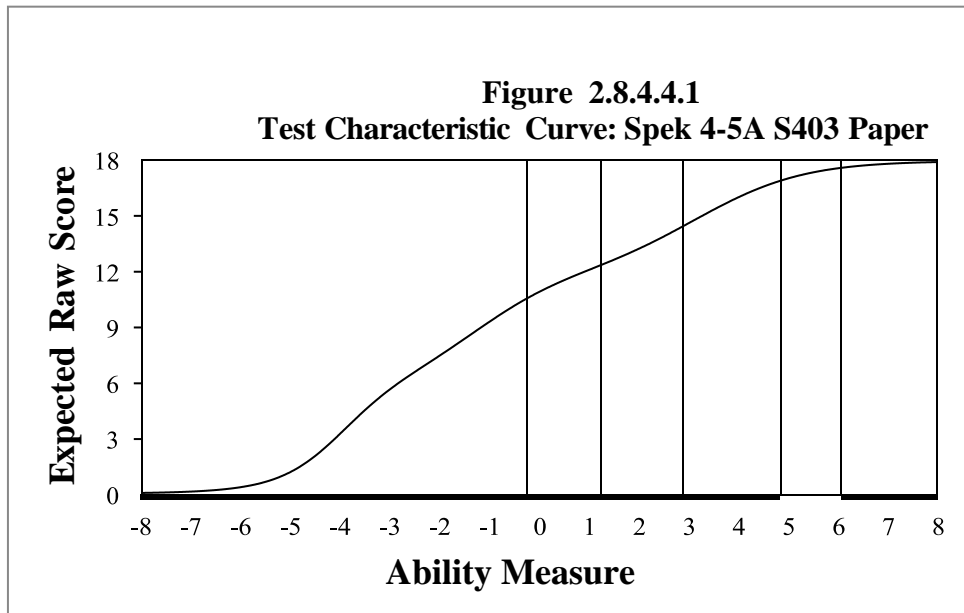
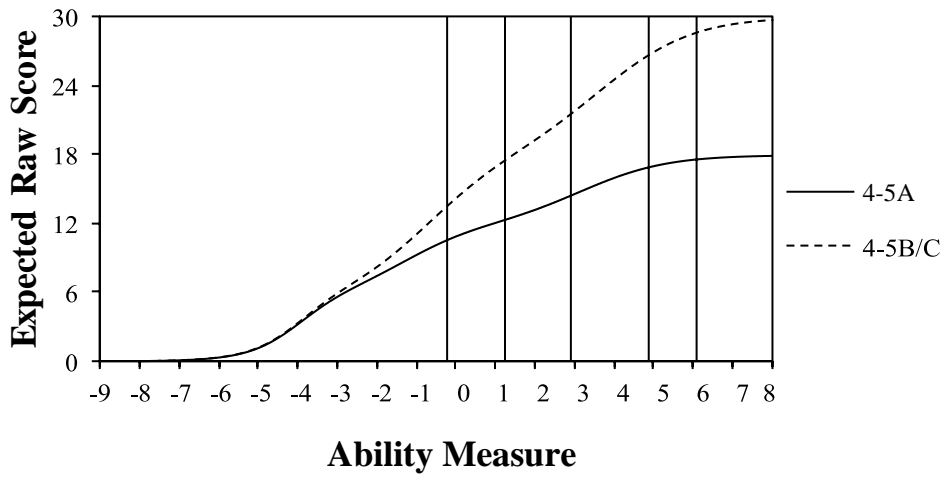


Figure 2.8.4.4.3
Test Characteristic Curve: Spek 4-5 S403 Paper



2.8.4.5 Grades 6–8

Figure 2.8.4.5.1
Test Characteristic Curve: Spek 6-8A S403 Paper

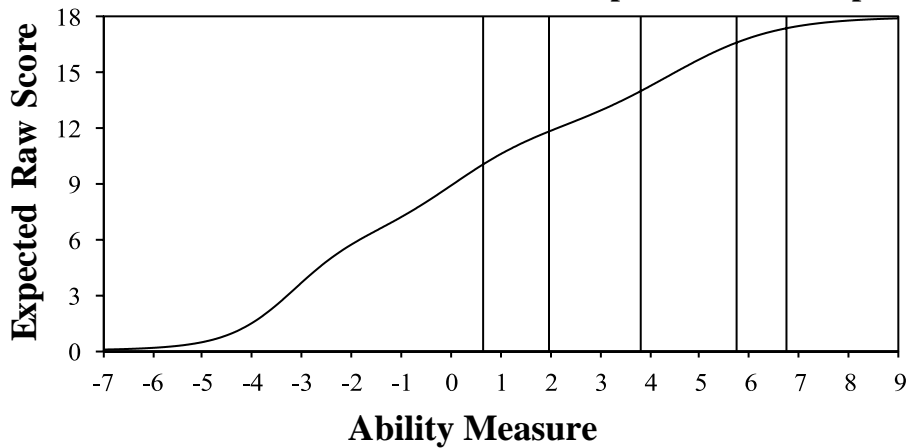


Figure 2.8.4.5.2
Test Characteristic Curve: Spek 6-8B/C S403 Paper

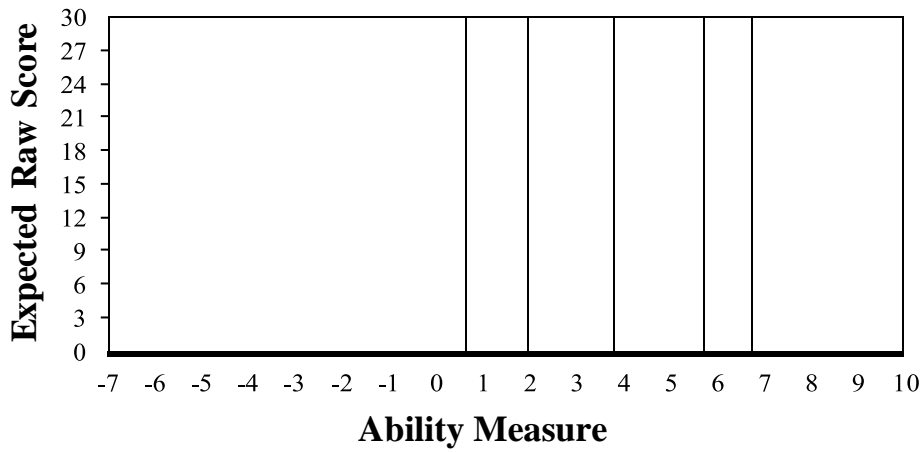
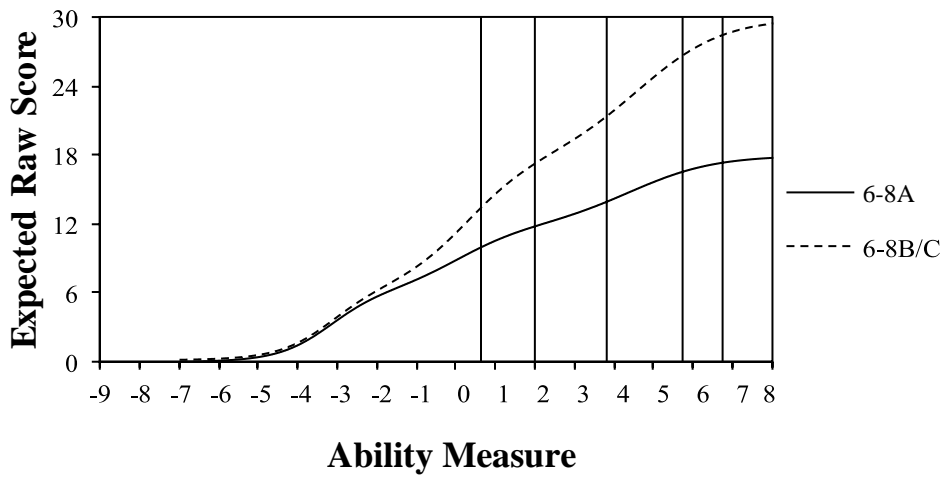


Figure 2.8.4.5.3
Test Characteristic Curve: Spek 6-8 S403 Paper



2.8.4.6 Grades 9–12

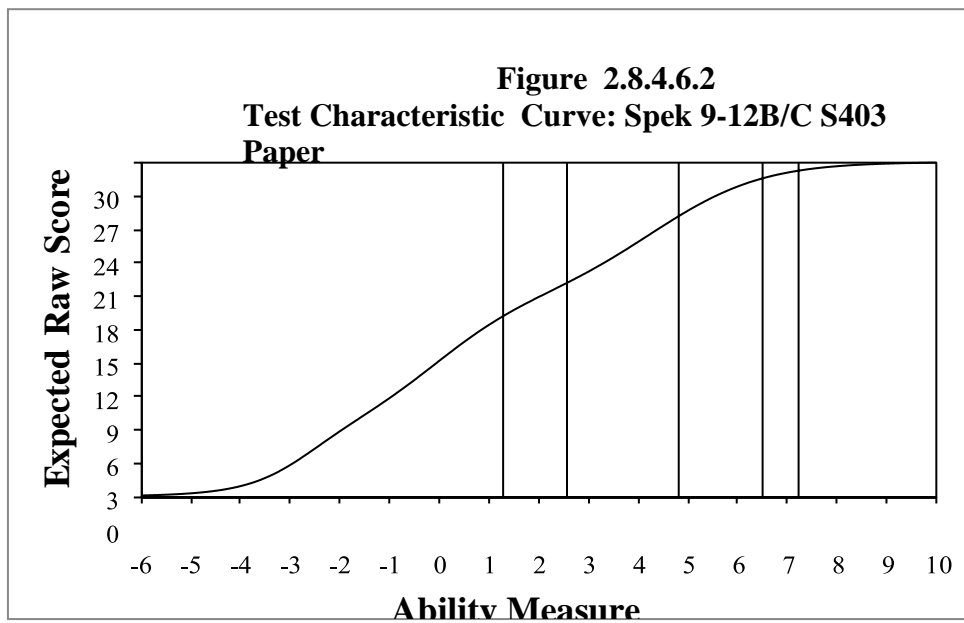
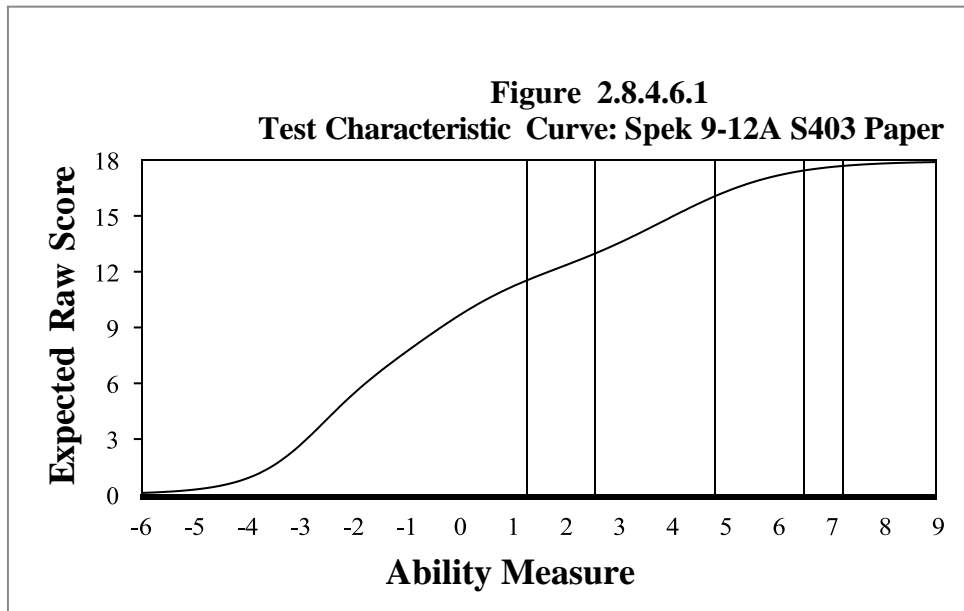
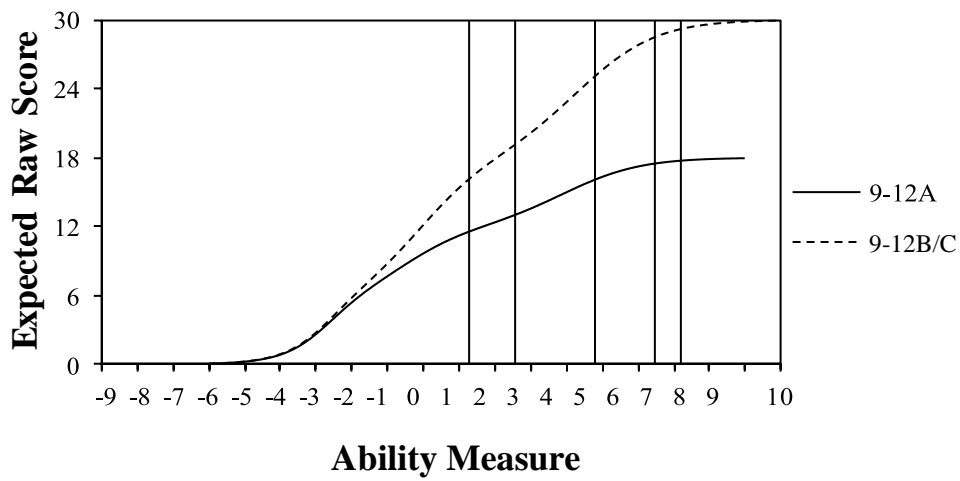


Figure 2.8.4.6.3
Test Characteristic Curve: Spek 9-12 S403 Paper



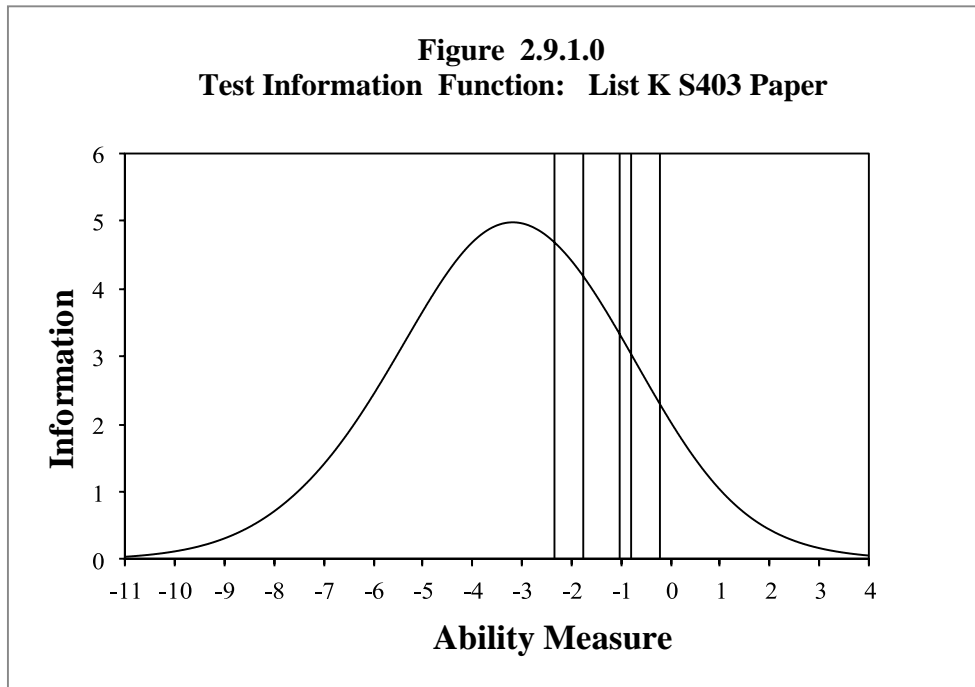
2.9 Test Information Function

With the Rasch measurement model, as with any measurement model following item response theory, the relationship between the ability measure (in logits) and the accuracy of test scores can be modeled. It is recognized that tests measure most accurately when the abilities of the examinees and the difficulty of the items are most appropriate for each other. If a test is too difficult for an examinee (i.e., the examinee scores close to zero), or if the test is too easy for an examinee (i.e., the examinee receives a perfect or near-perfect score), accurate measurement of the examinee's ability cannot be made. The figures in this section show graphically how well the test is measuring across the ability measure spectrum. High test information values indicate more accuracy in measurement. Figures show the relationship between the ability measure (in logits) on the horizontal axis and measurement accuracy, represented as the Fisher information value (which is the inverse squared of the standard error), on the vertical axis. The test information function, then, reflects the conditional standard errors of measurement.

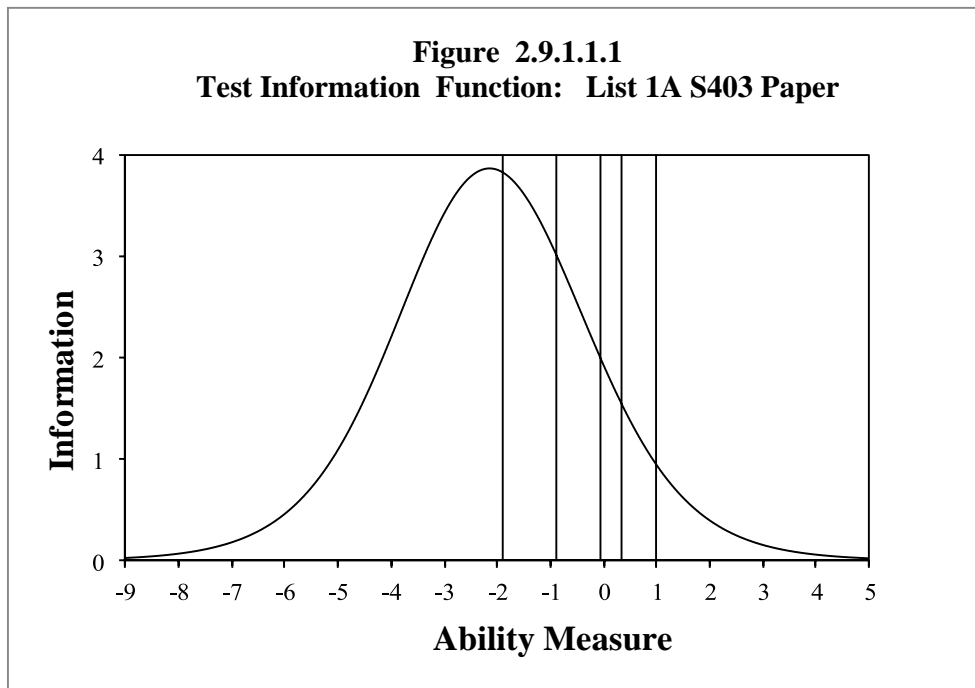
Five vertical lines on the test information function figure indicate the five cut scores for the highest grade in the grade-level cluster for the test form, dividing the figure into six sections for each of the WIDA language proficiency levels (1–6) for the domain being tested. The ACCESS cut scores lines are presented along with the test information function to facilitate the interpretation of the test information curves. The test information curve and the corresponding ACCESS cut score lines are both expressed on the ACCESS logit scale. Note that for Kindergarten and Tier A tests in some domains, it was not possible to place into all six proficiency levels.

2.9.1 Listening

2.9.1.0 Kindergarten

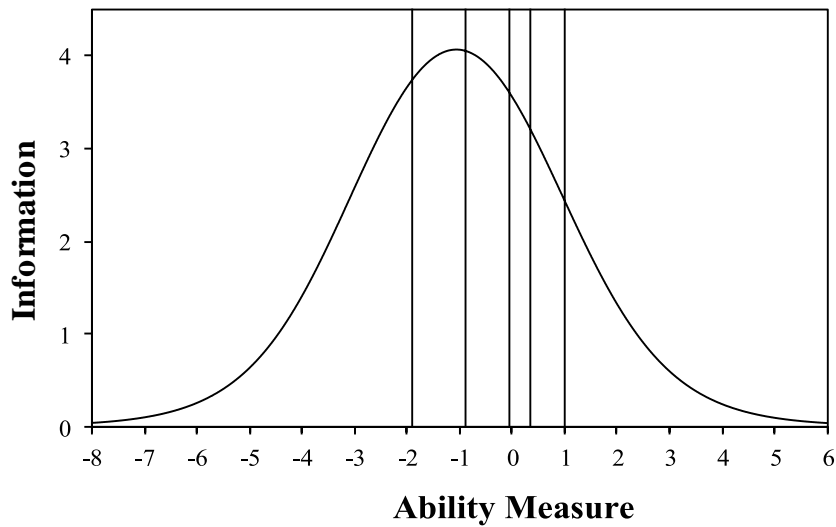


2.9.1.1 Grade 1



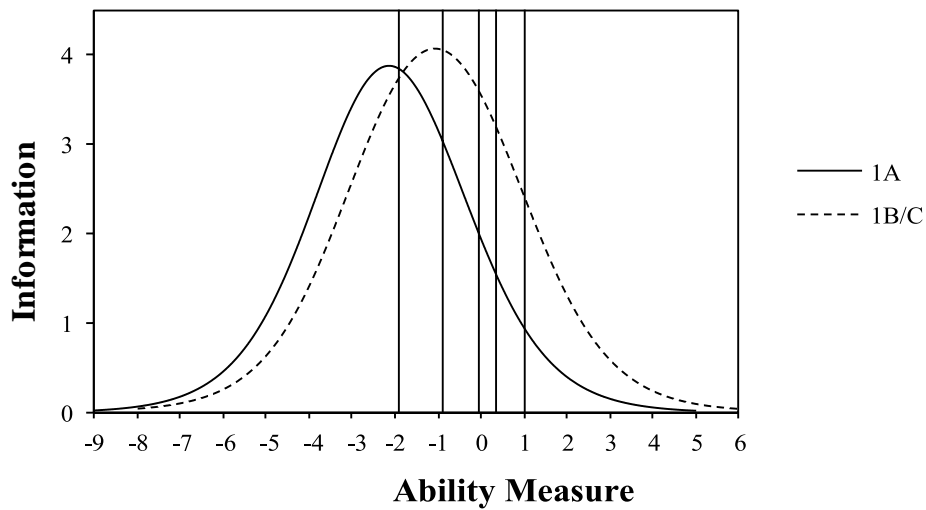
Note: The test form is shared between 1A and 2A.

Figure 2.9.1.1.2
Test Information Function: List 1B/C S403 Paper



Note: The test form is shared between 1B/C and 2B/C.

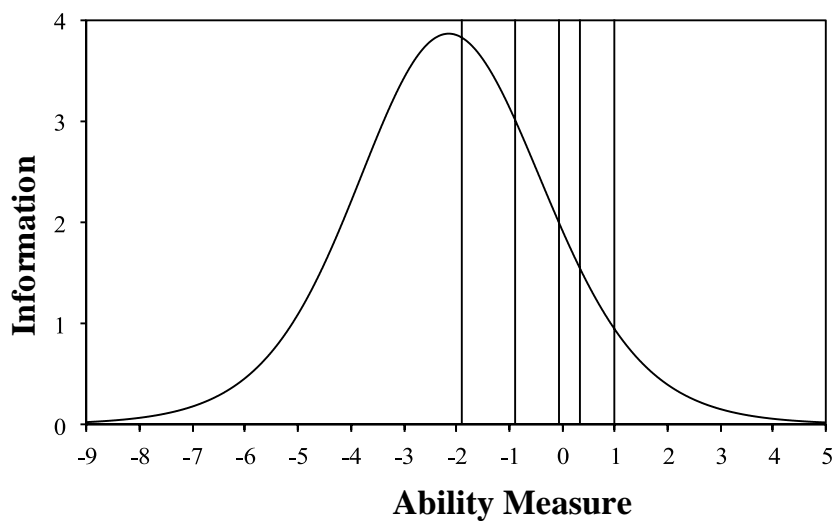
Figure 2.9.1.1.3
Test Information Function: List 1 S403 Paper



Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

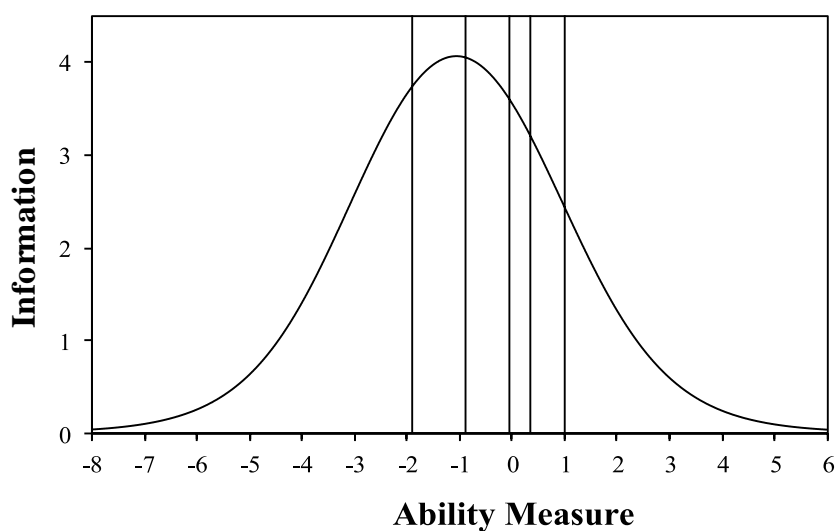
2.9.1.2 Grade 2

Figure 2.9.1.2.1
Test Information Function: List 2A S403 Paper



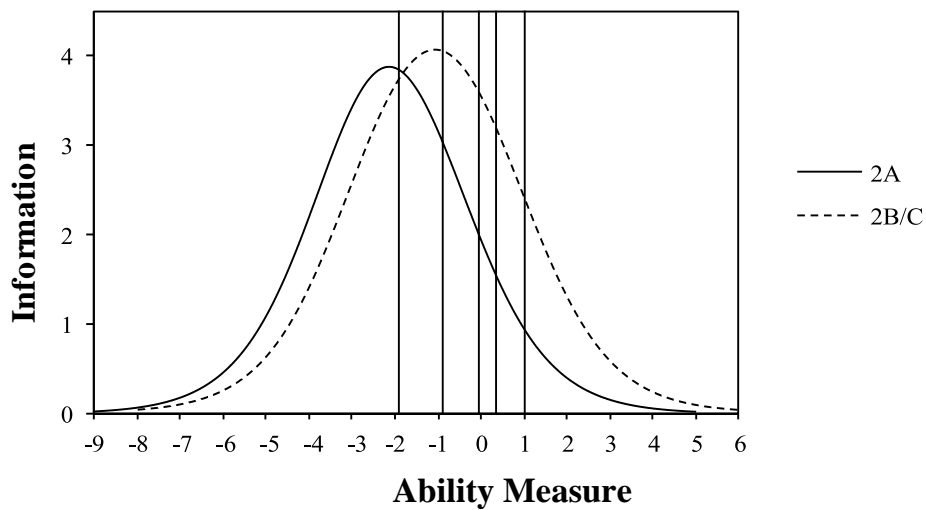
Note: The test form is shared between 1A and 2A.

Figure 2.9.1.2.2
Test Information Function: List 2B/C S403 Paper



Note: The test form is shared between 1B/C and 2B/C.

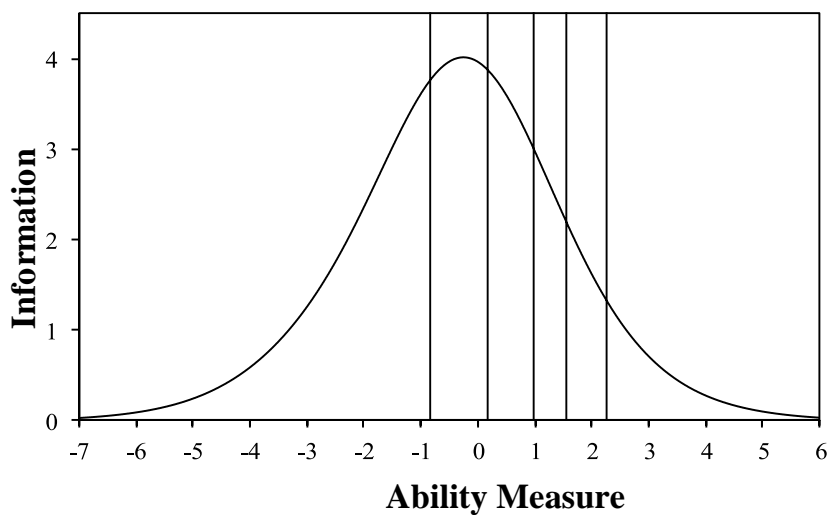
Figure 2.9.1.2.3
Test Information Function: List 2 S403 Paper



Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

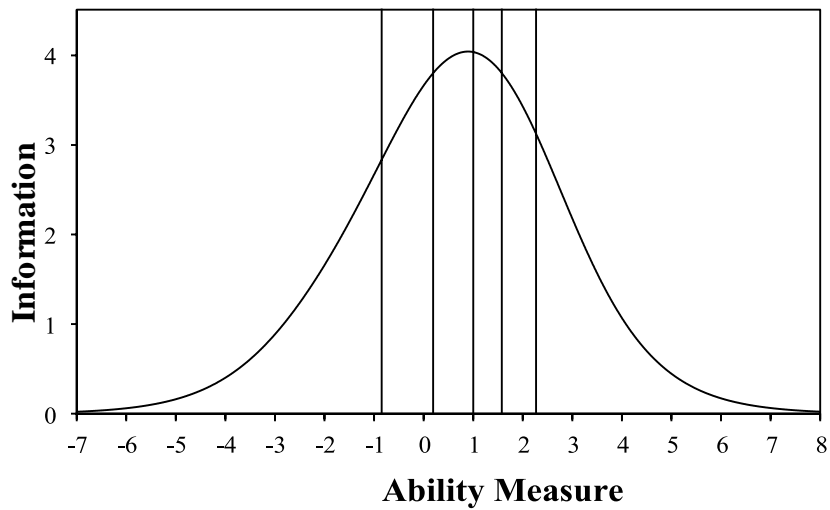
2.9.1.3 Grade 3

Figure 2.9.1.3.1
Test Information Function: List 3A S403 Paper



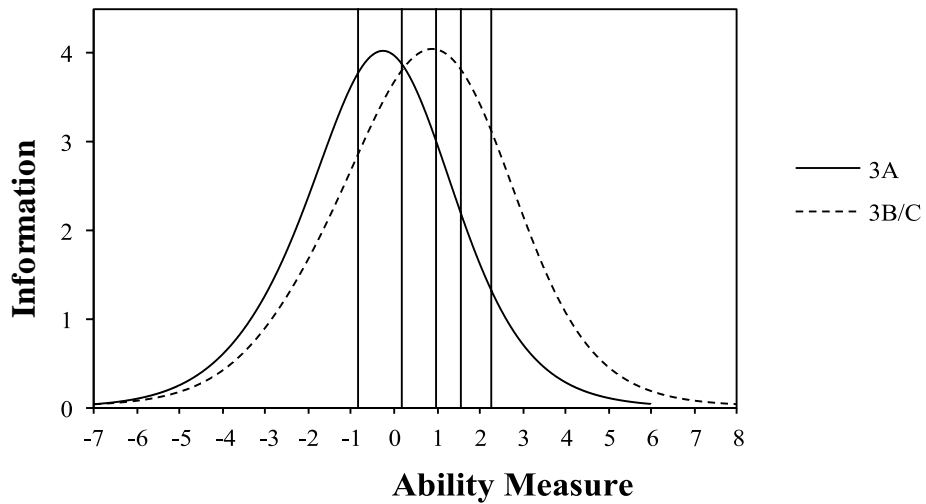
Note: The test form is shared between 3A and 4–5A.

Figure 2.9.1.3.2
Test Information Function: List 3B/C S403 Paper



Note: The test form is shared between 3B/C and 4–5B/C.

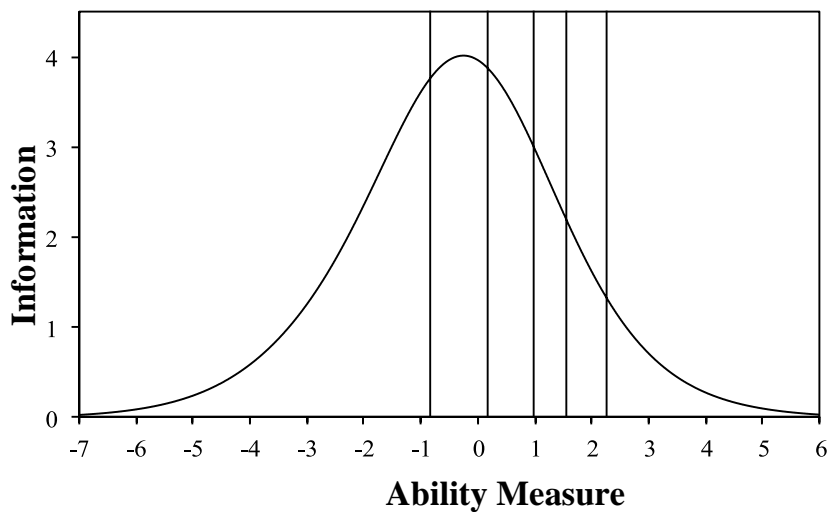
Figure 2.9.1.3.3
Test Information Function: List 3 S403 Paper



Note: The test form is shared between 3A and 4–5A, 3B/C and 4–5B/C.

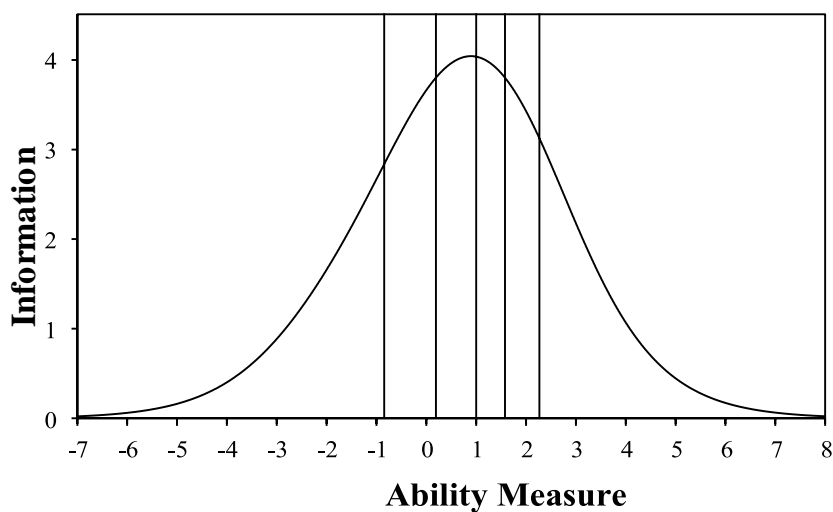
2.9.1.4 Grades 4–5

Figure 2.9.1.4.1
Test Information Function: List 4-5A S403 Paper



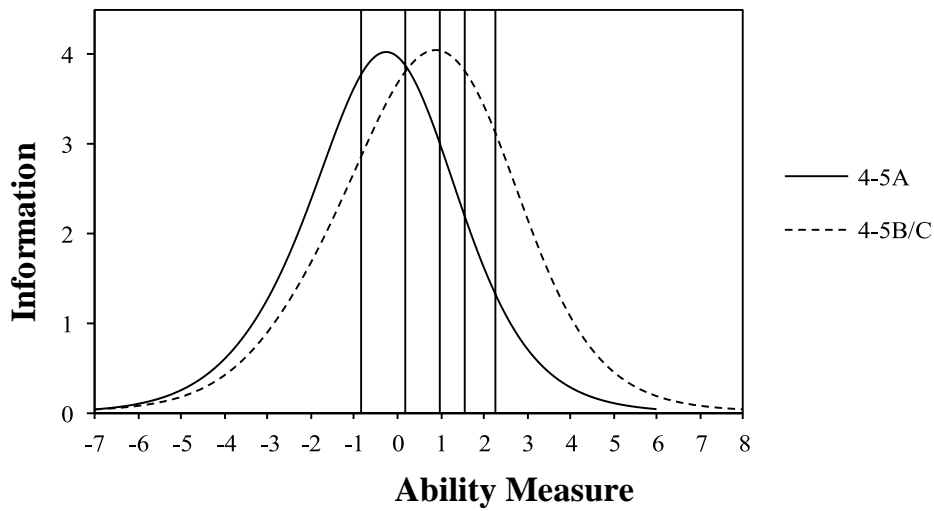
Note: The test form is shared between 3A and 4–5A.

Figure 2.9.1.4.2
Test Information Function: List 4-5B/C S403 Paper



Note: The test form is shared between 3B/C and 4–5B/C.

Figure 2.9.1.4.3
Test Information Function: List 4-5 S403 Paper



Note: The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

2.9.1.5 Grades 6-8

Figure 2.9.1.5.1
Test Information Function: List 6-8A S403 Paper

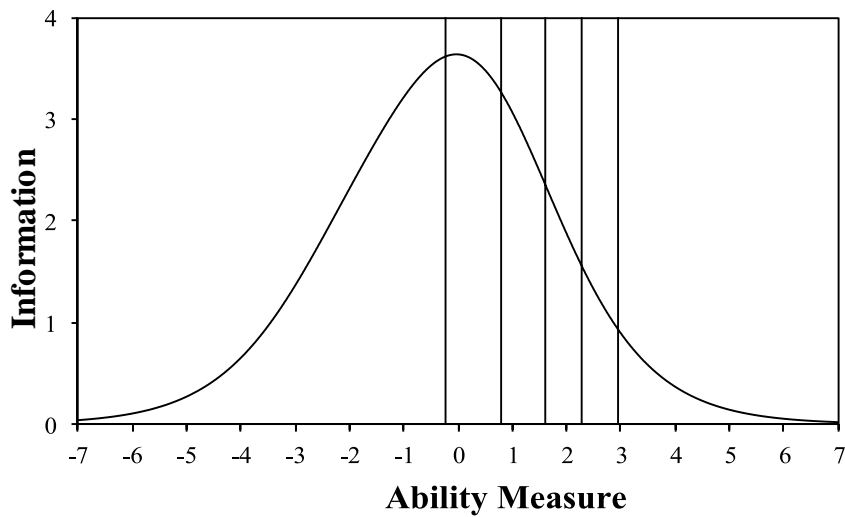


Figure 2.9.1.5.2
Test Information Function: List 6-8B/C S403 Paper

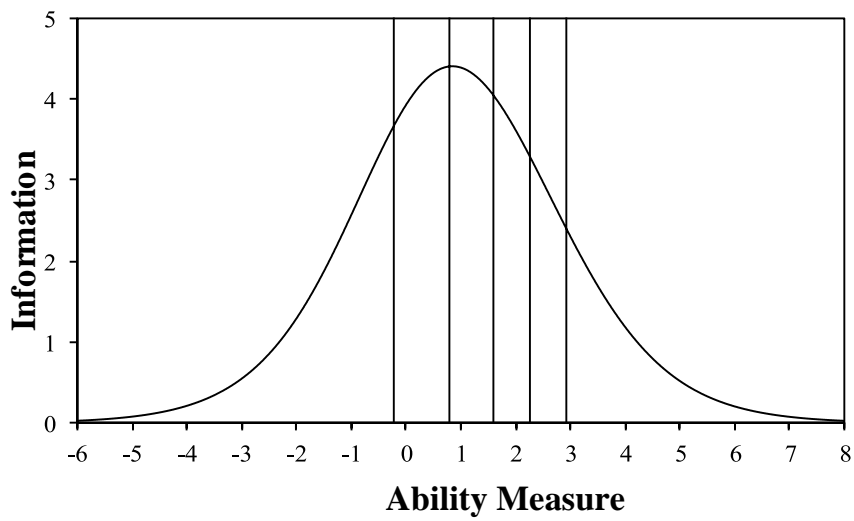
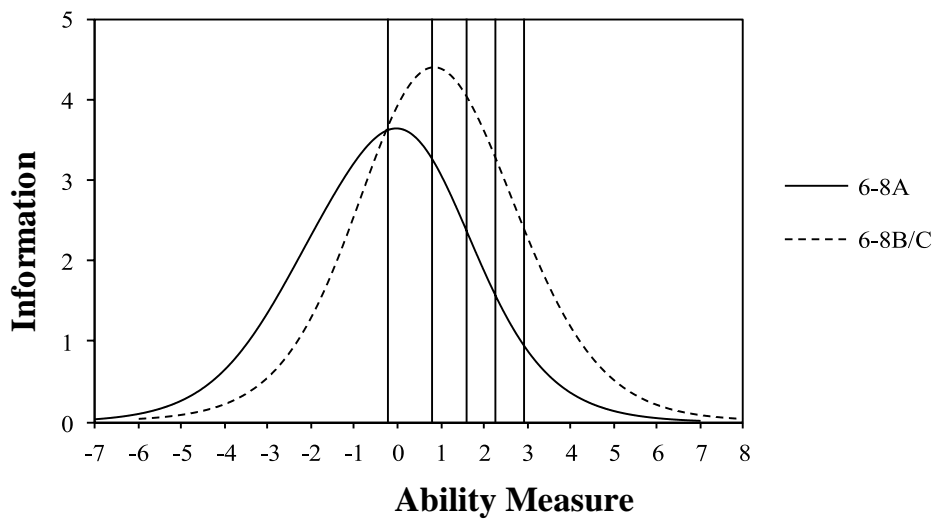


Figure 2.9.1.5.3
Test Information Function: List 6-8 S403 Paper



2.9.1.6 Grades 9–12

Figure 2.9.1.6.1
Test Information Function: List 9-12A S403 Paper

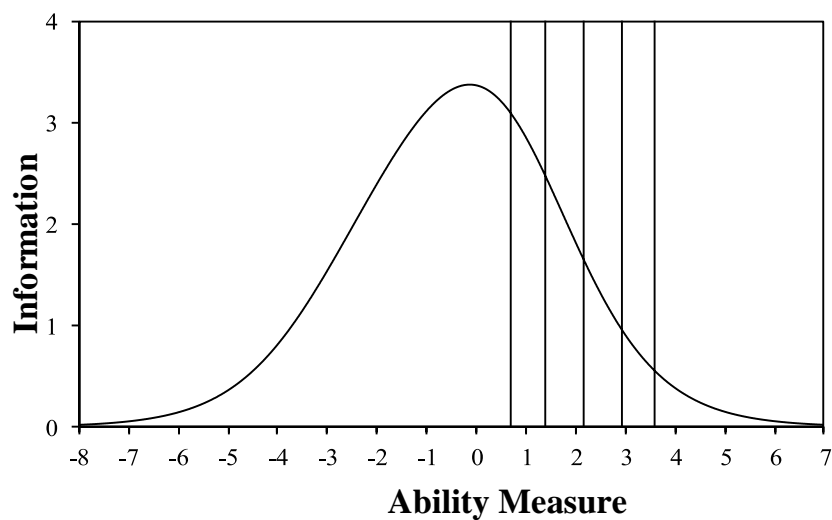


Figure 2.9.1.6.2
Test Information Function: List 9-12B/C S403 Paper

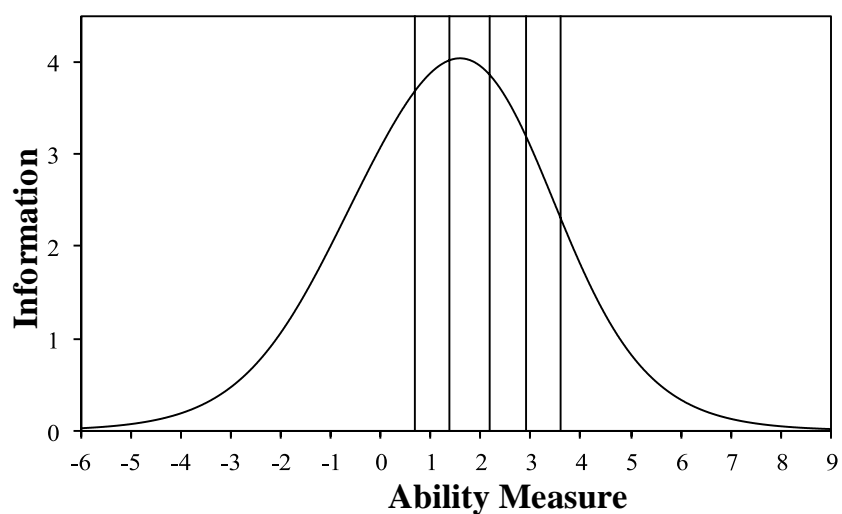
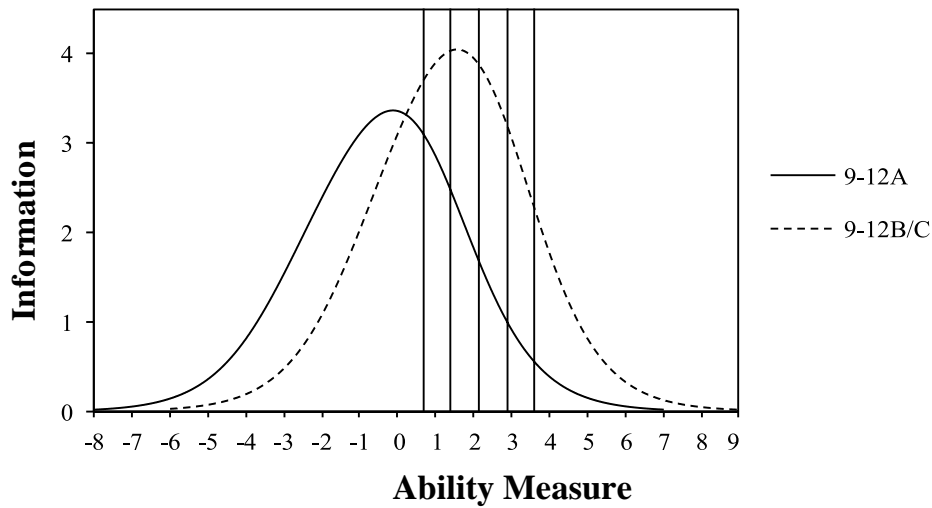


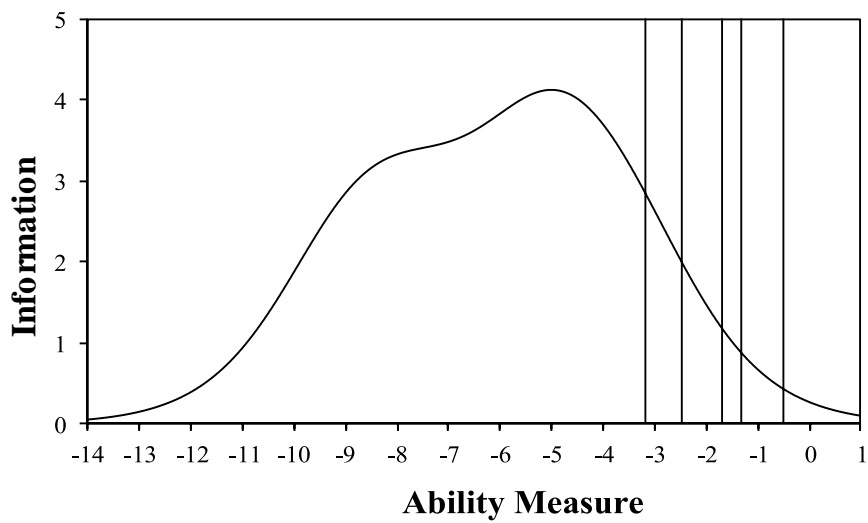
Figure 2.9.1.6.3
Test Information Function: List 9-12 S403 Paper



2.9.2 Reading

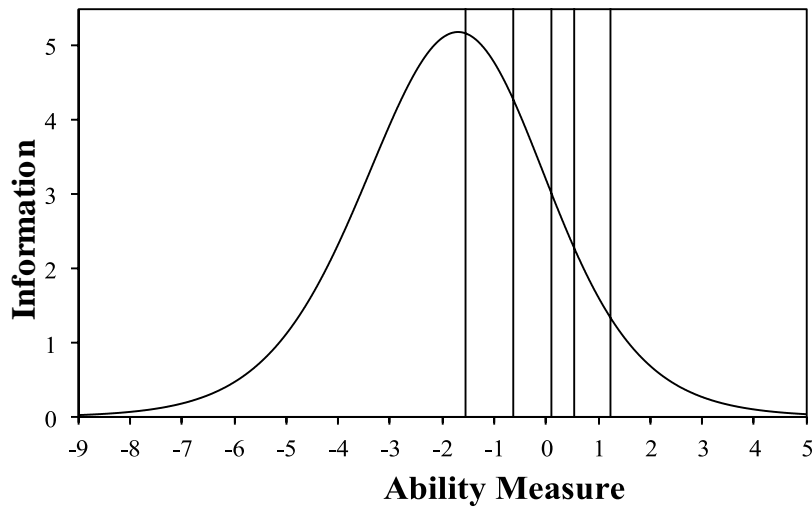
2.9.2.0 Kindergarten

Figure 2.9.2.0
Test Information Function: Read K S403 Paper



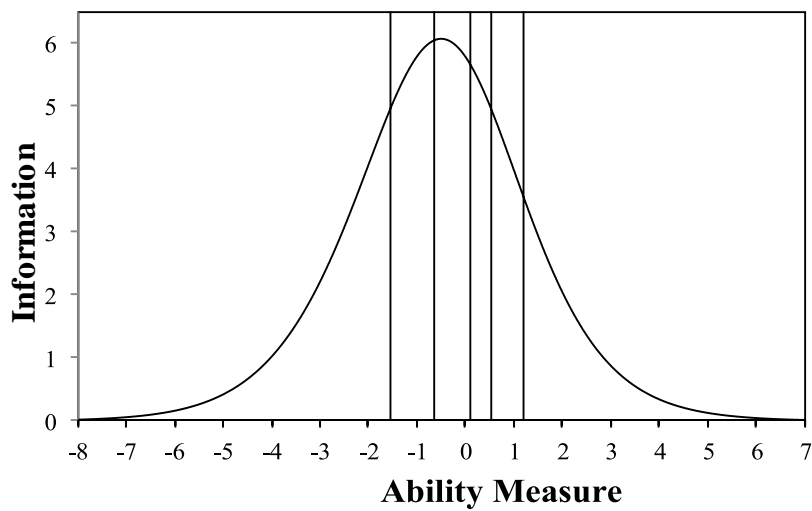
2.9.2.1 Grade 1

Figure 2.9.2.1.1
Test Information Function: Read 1A S403 Paper



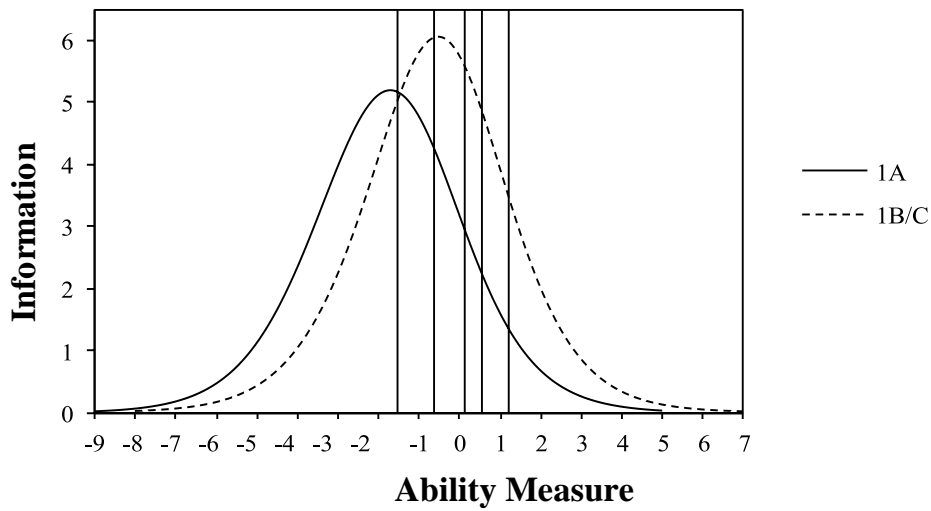
Note: The test form is shared between 1A and 2A.

Figure 2.9.2.1.2
Test Information Function: Read 1B/C S403 Paper



Note: The test form is shared between 1B/C and 2B/C.

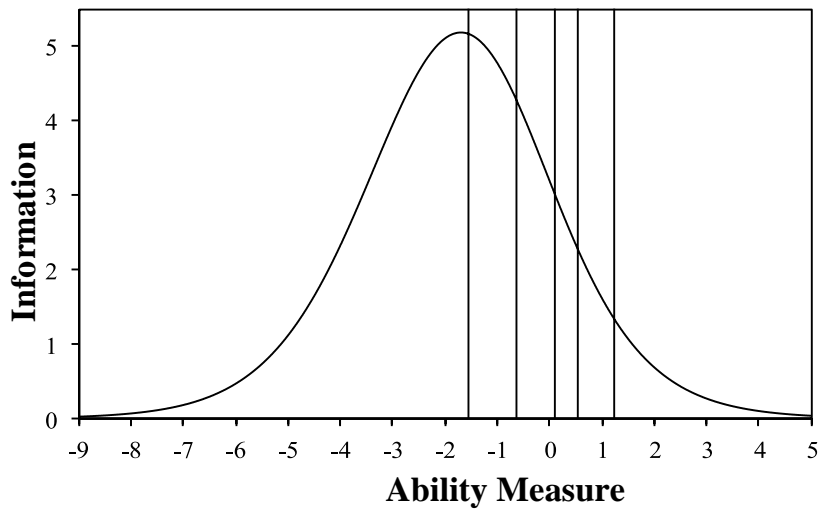
Figure 2.9.2.1.3
Test Information Function: Read 1 S403 Paper



Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

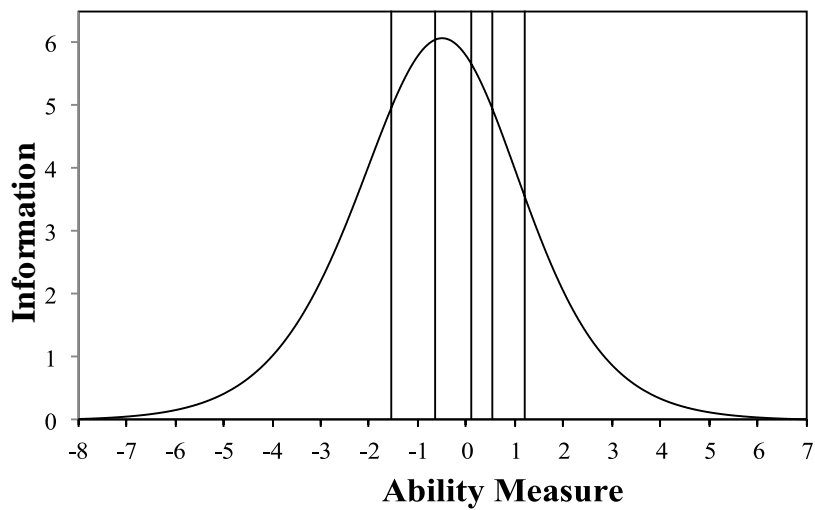
2.9.2.2 Grade 2

Figure 2.9.2.2.1
Test Information Function: Read 2A S403 Paper



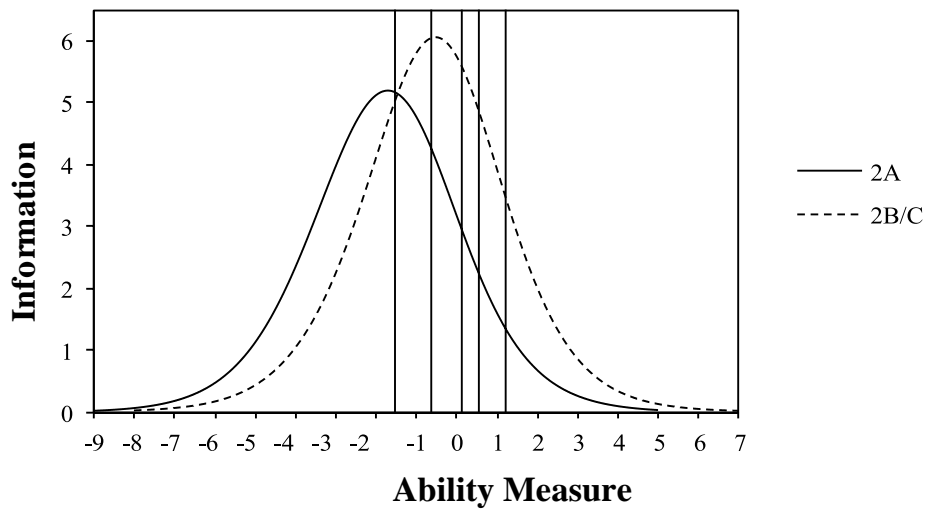
Note: The test form is shared between 1A and 2A.

Figure 2.9.2.2.2
Test Information Function: Read 2B/C S403 Paper



Note: The test form is shared between 1B/C and 2B/C.

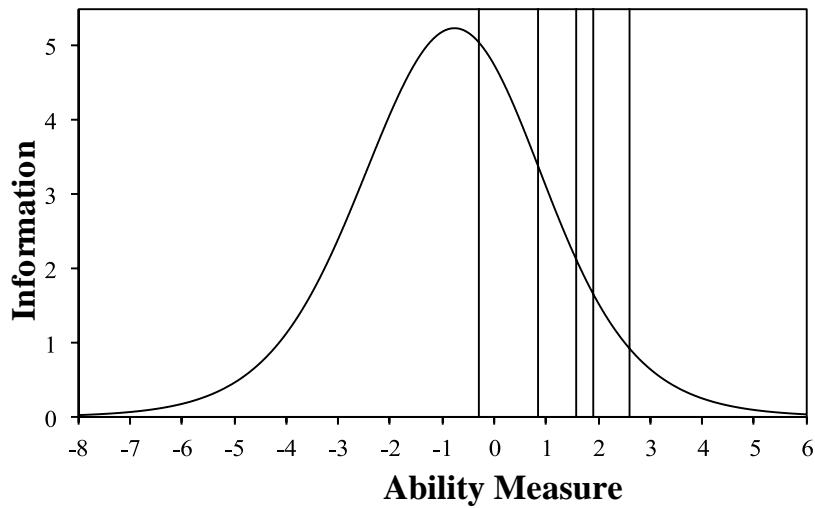
Figure 2.9.2.2.3
Test Information Function: Read 2 S403 Paper



Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

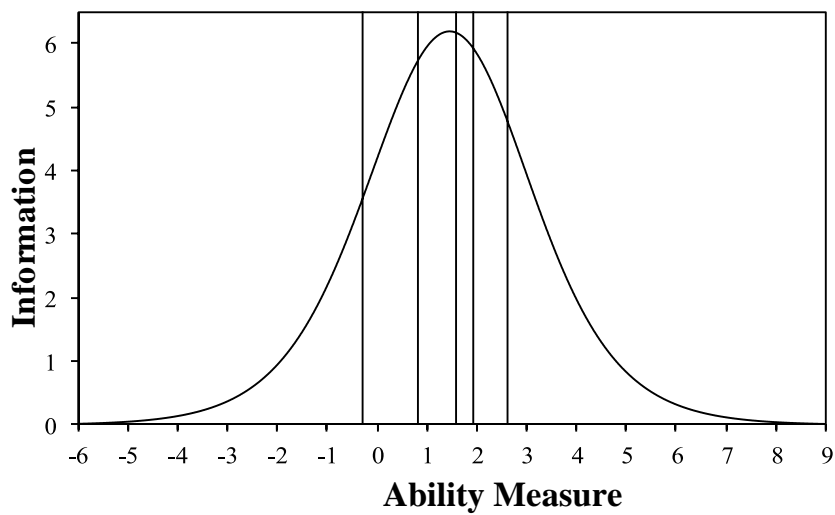
2.9.2.3 Grade 3

Figure 2.9.2.3.1
Test Information Function: Read 3A S403 Paper



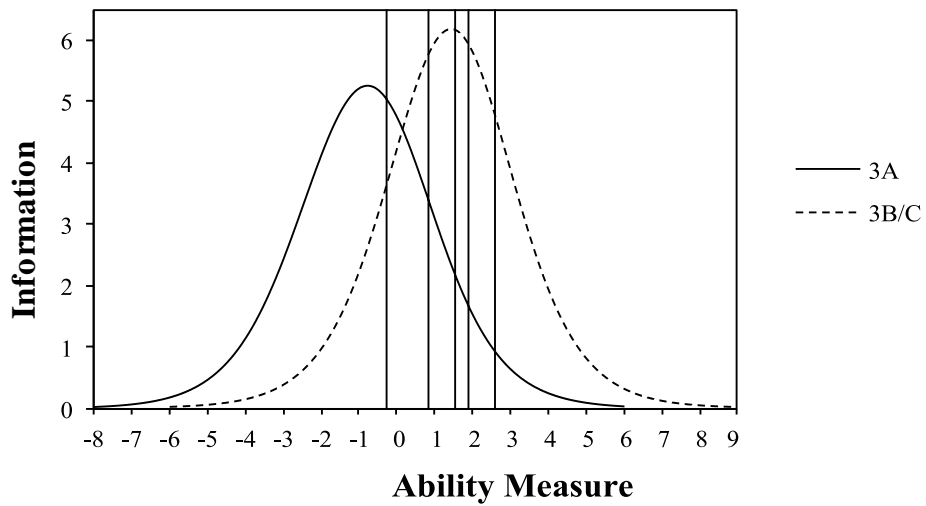
Note: The test form is shared between 3A and 4–5A.

Figure 2.9.2.3.2
Test Information Function: Read 3B/C S403 Paper



Note: The test form is shared between 3B/C and 4–5B/C.

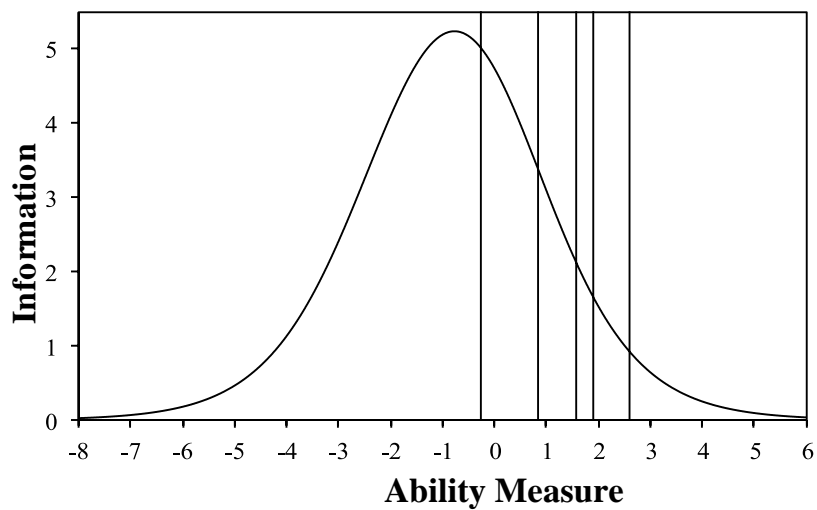
Figure 2.9.2.3.3
Test Information Function: Read 3 S403 Paper



Note: The test form is shared between 3A and 4–5A, 3B/C and 4–5B/C.

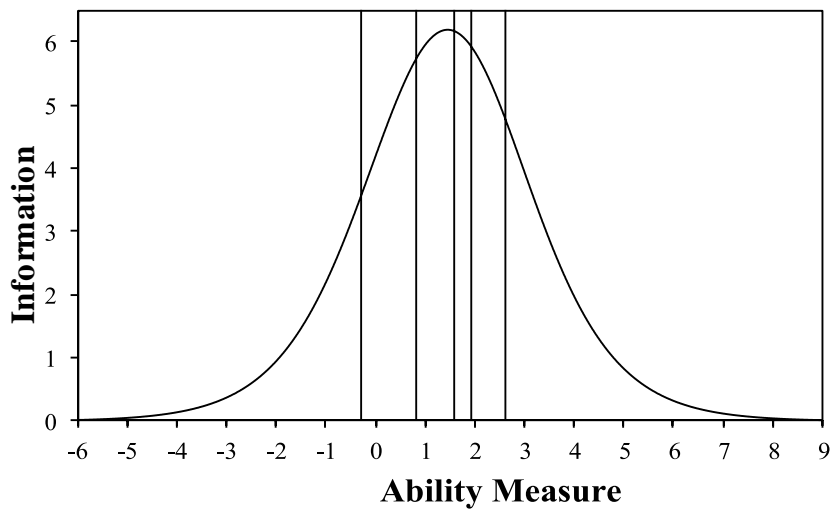
2.9.2.4 Grades 4–5

Figure 2.9.2.4.1
Test Information Function: Read 4-5A S403 Paper



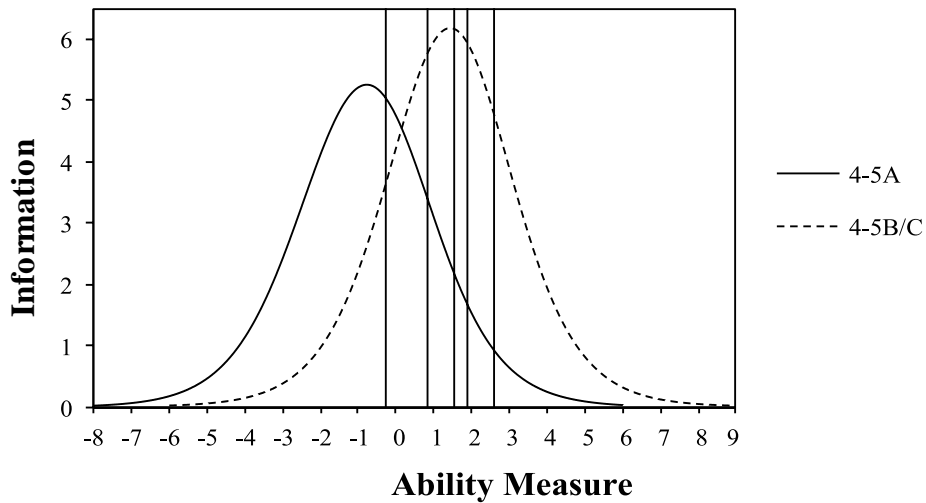
Note: The test form is shared between 3A and 4–5A.

Figure 2.9.2.4.2
Test Information Function: Read 4-5B/C S403 Paper



Note: The test form is shared between 3B/C and 4-5B/C.

Figure 2.9.2.4.3
Test Information Function: Read 4-5 S403 Paper



Note: The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

2.9.2.5 Grades 6–8

Figure 2.9.2.5.1
Test Information Function: Read 6-8A S403 Paper

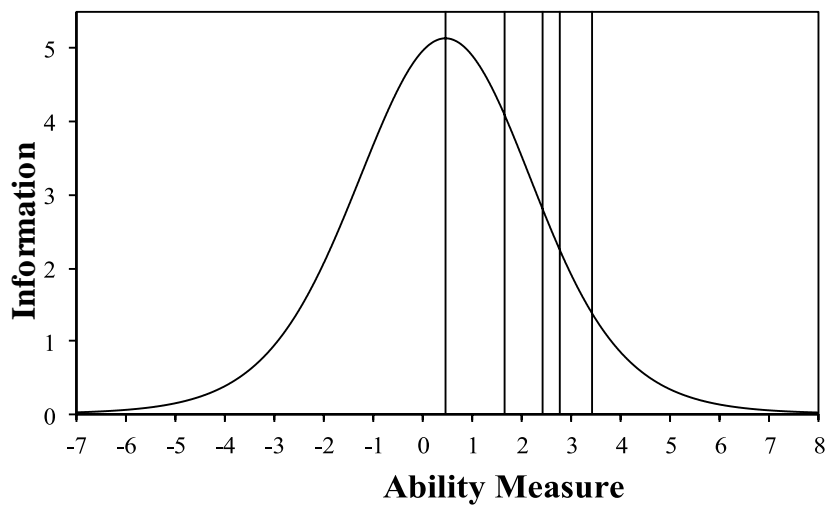


Figure 2.9.2.5.2
Test Information Function: Read 6-8B/C S403 Paper

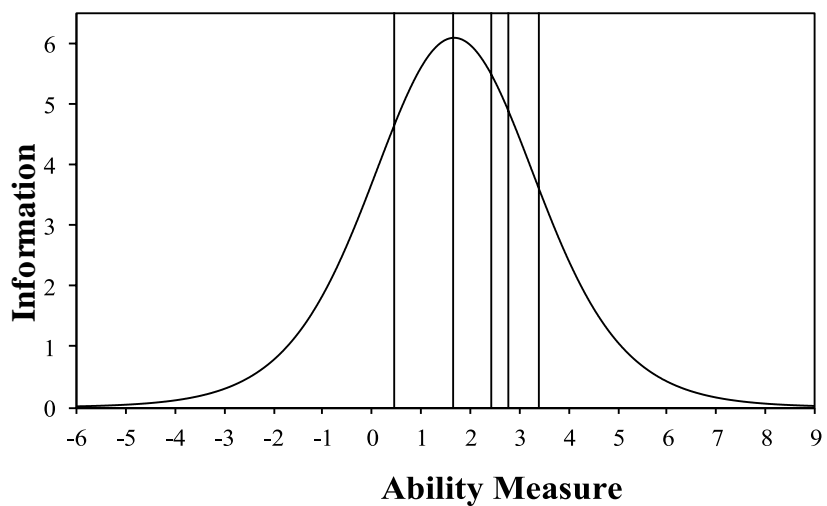
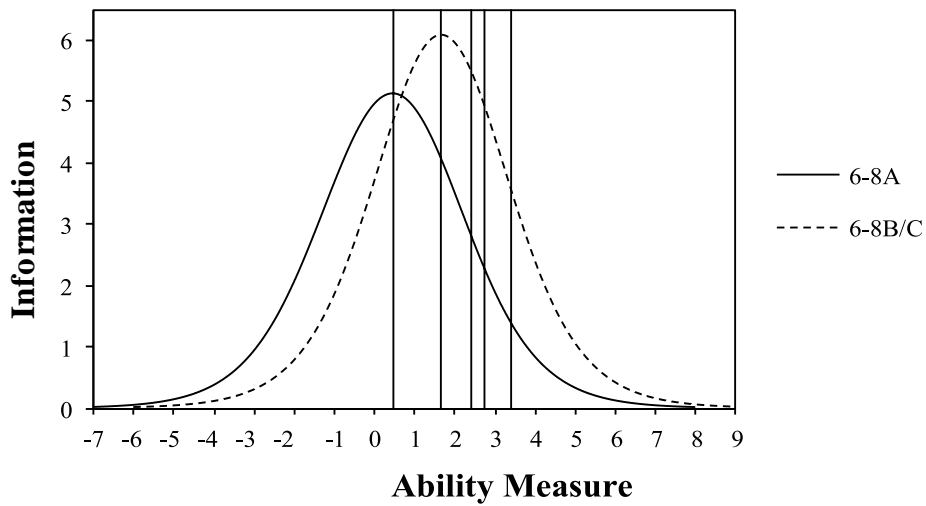


Figure 2.9.2.5.3
Test Information Function: Read6-8 S403 Paper



2.9.2.6 Grades 9–12

Figure 2.9.2.6.1
Test Information Function: Read9-12A S403 Paper

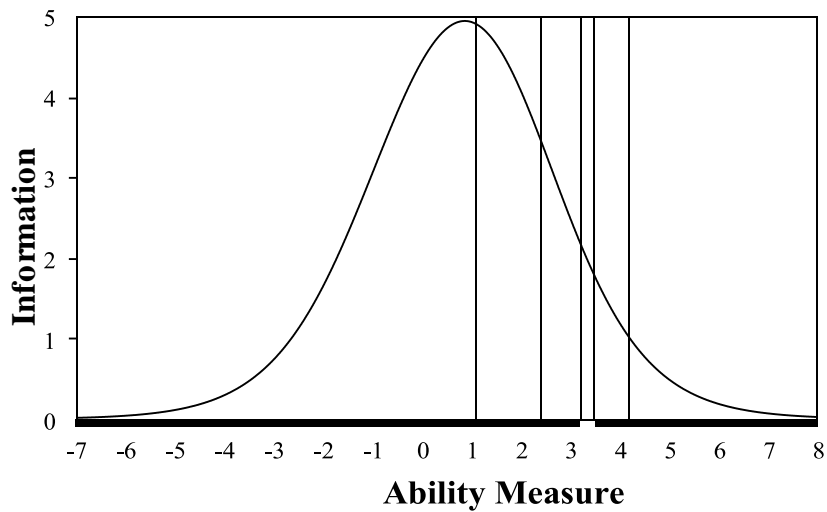


Figure 2.9.2.6.2
Test Information Function: Read 9-12B/C S403 Paper

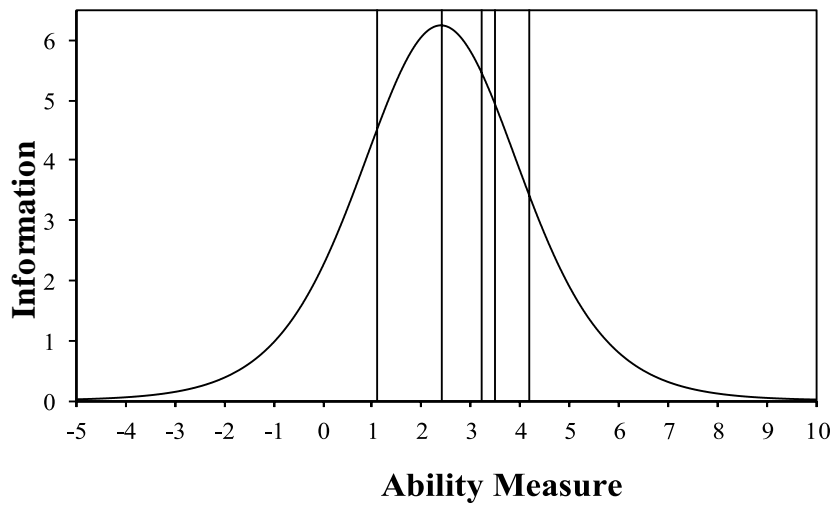
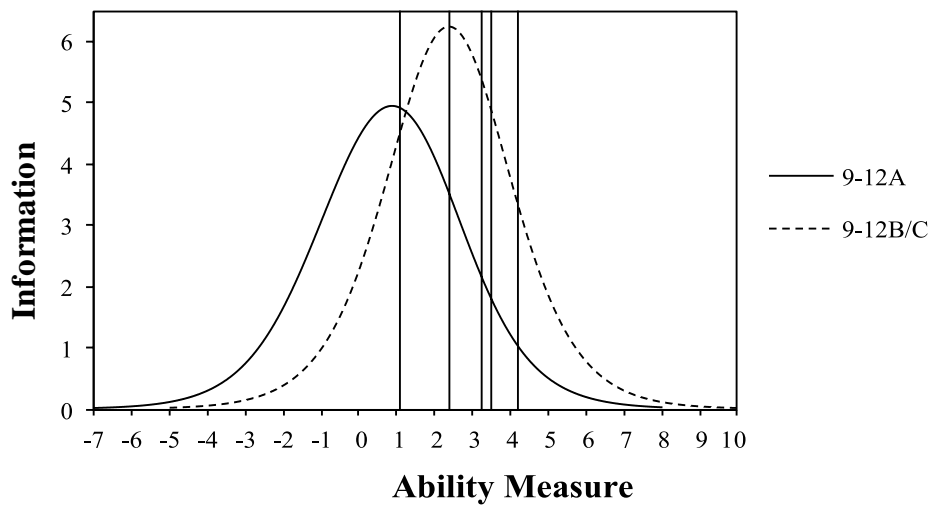
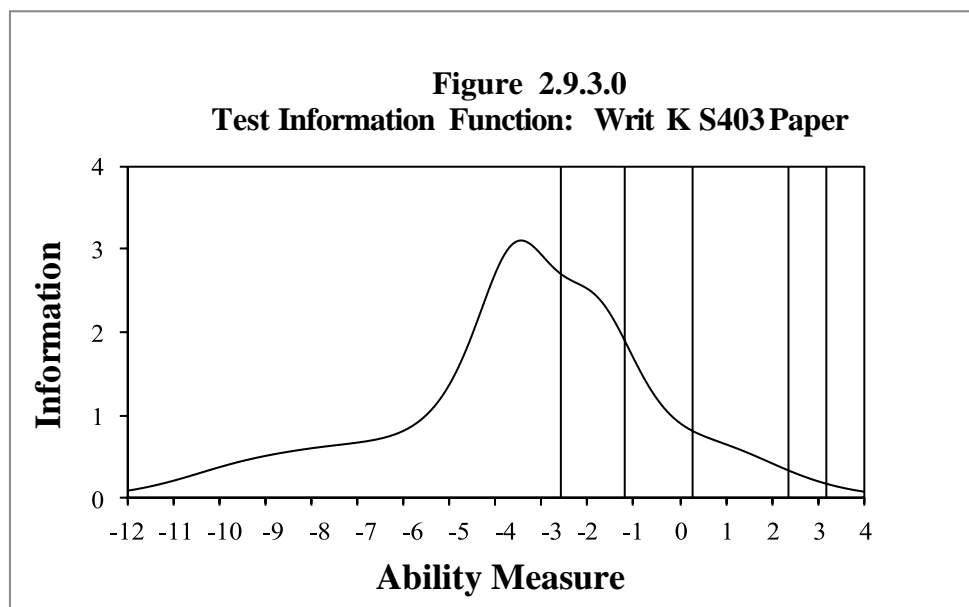


Figure 2.9.2.6.3
Test Information Function: Read 9-12 S403 Paper



2.9.3 Writing

2.9.3.0 Kindergarten



2.9.3.1 Grade 1

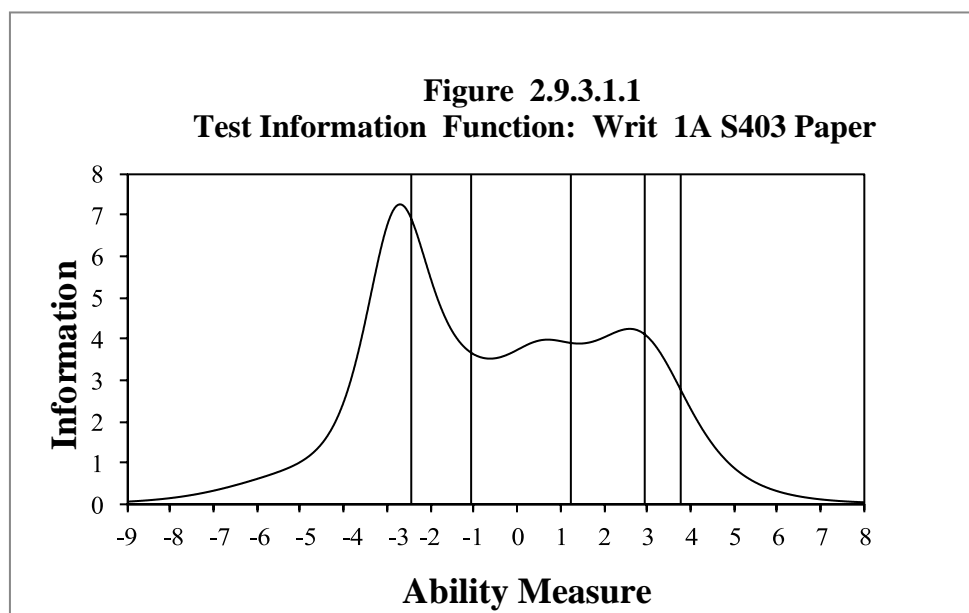


Figure 2.9.3.1.2
Test Information Function: Writ 1B/C S403 Paper

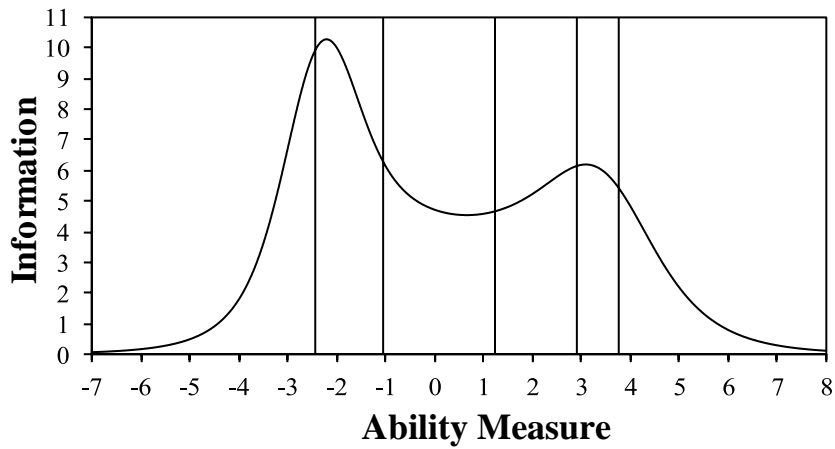
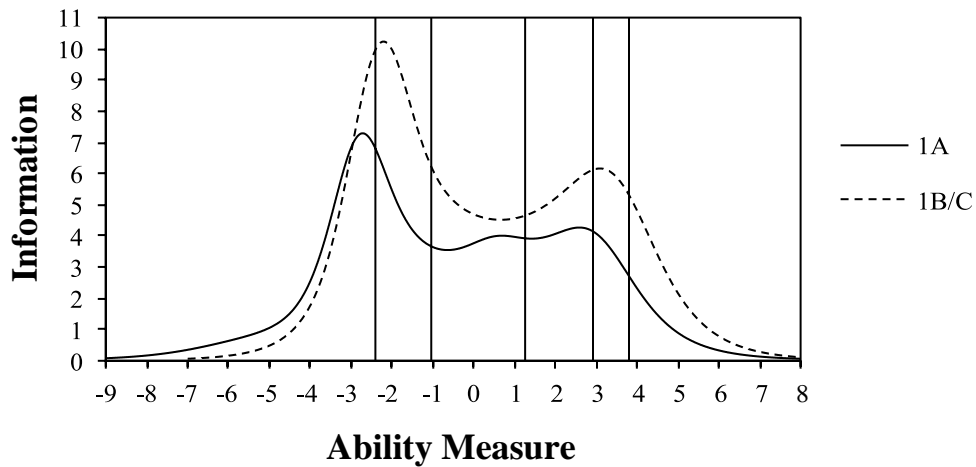
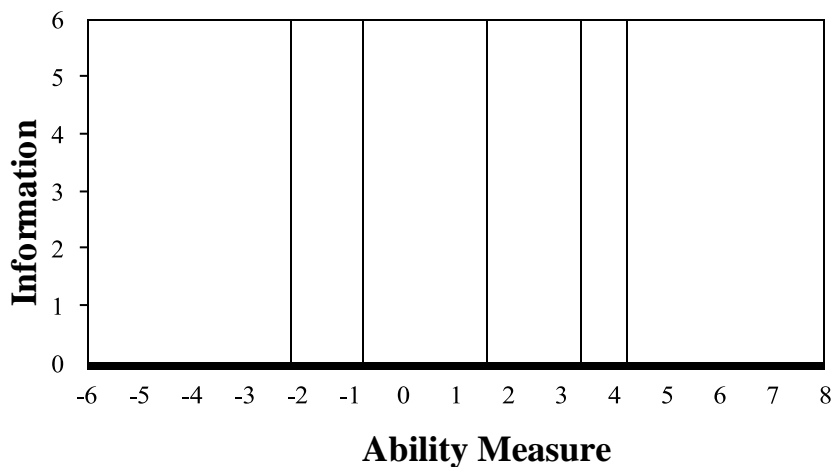


Figure 2.9.3.1.3
Test Information Function: Writ 1 S403 Paper



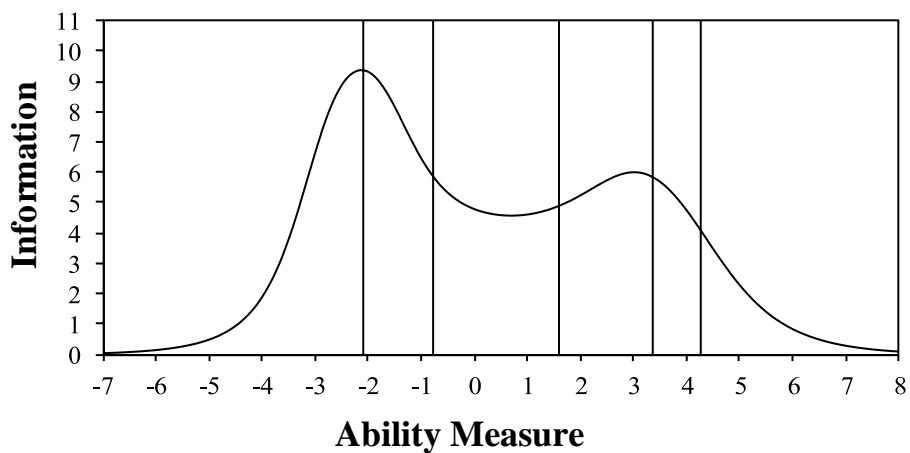
2.9.3.2 Grade 2

Figure 2.9.3.2.1
Test Information Function: Writ 2A S403 Paper

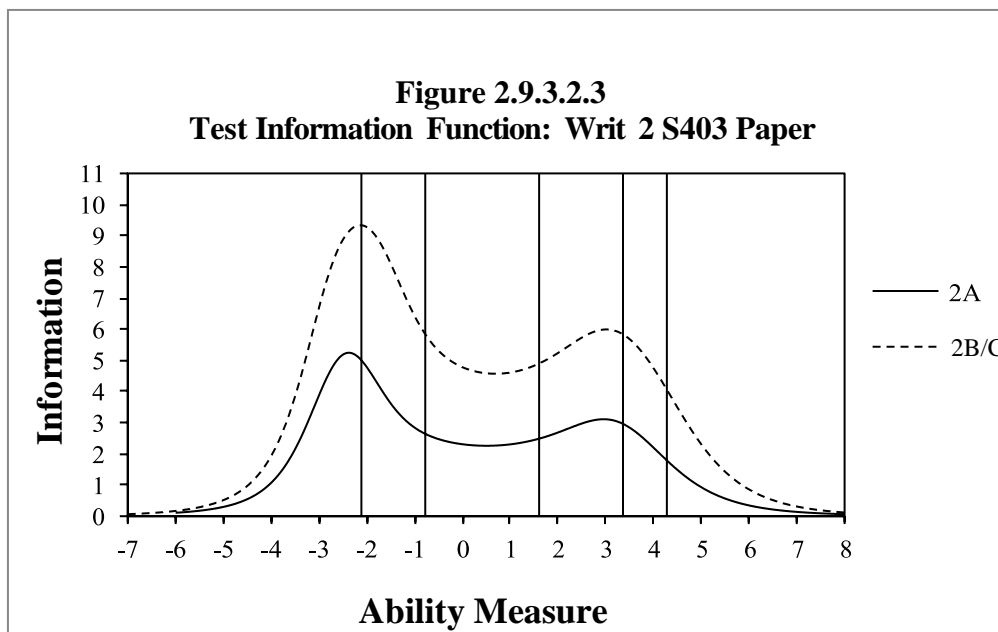


Note: The test form is shared between 2A and 3A.

Figure 2.9.3.2.2
Test Information Function: Writ 2B/C S403 Paper

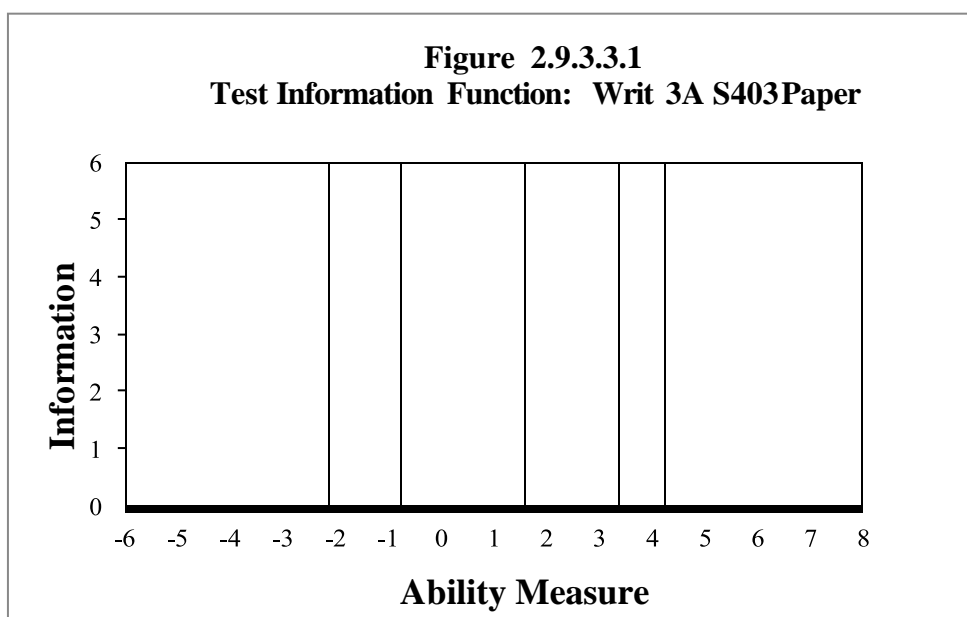


Note: The test form is shared between 2B/C and 3B/C.



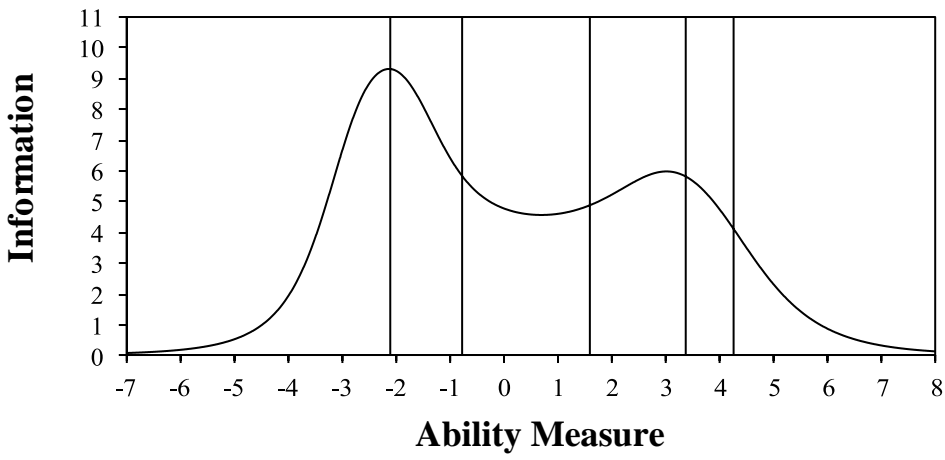
Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.9.3.3 Grade 3



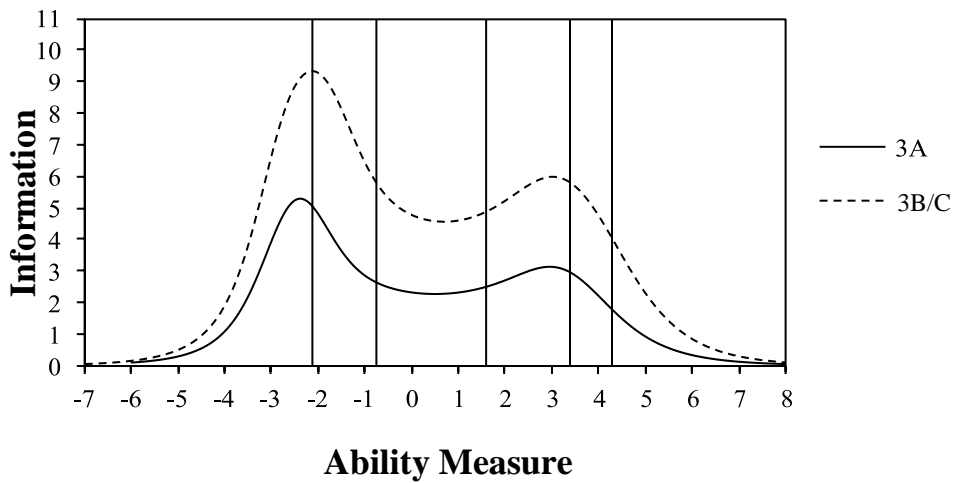
Note: The test form is shared between 2A and 3A.

Figure 2.9.3.3.2
Test Information Function: Writ 3B/C S403 Paper



Note: The test form is shared between 2B/C and 3B/C.

Figure 2.9.3.3.3
Test Information Function: Writ 3 S403 Paper



Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.9.3.4 Grades 4–5

Figure 2.9.3.4.1
Test Information Function: Writ 4-5A S403 Paper

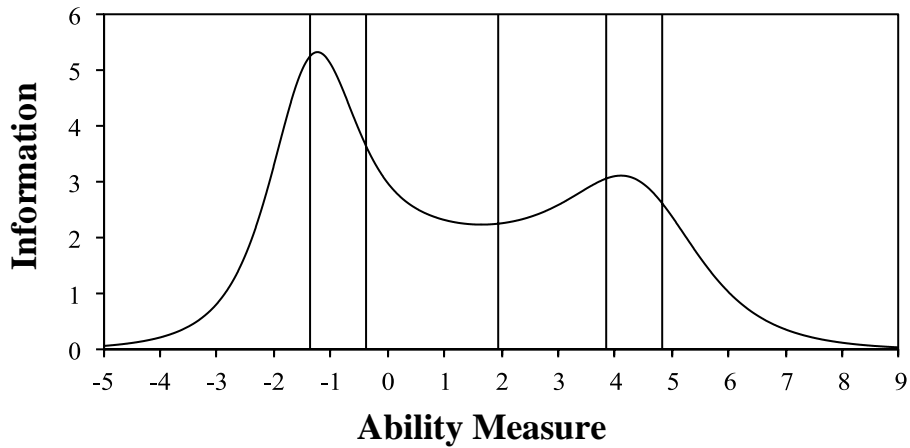
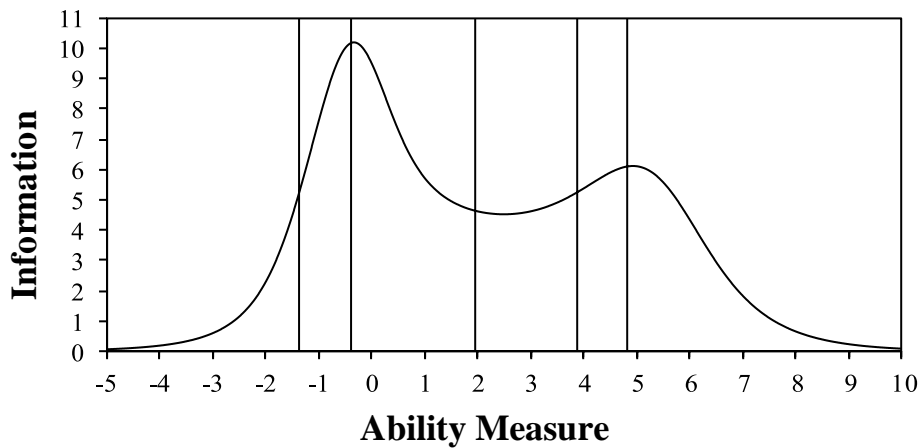
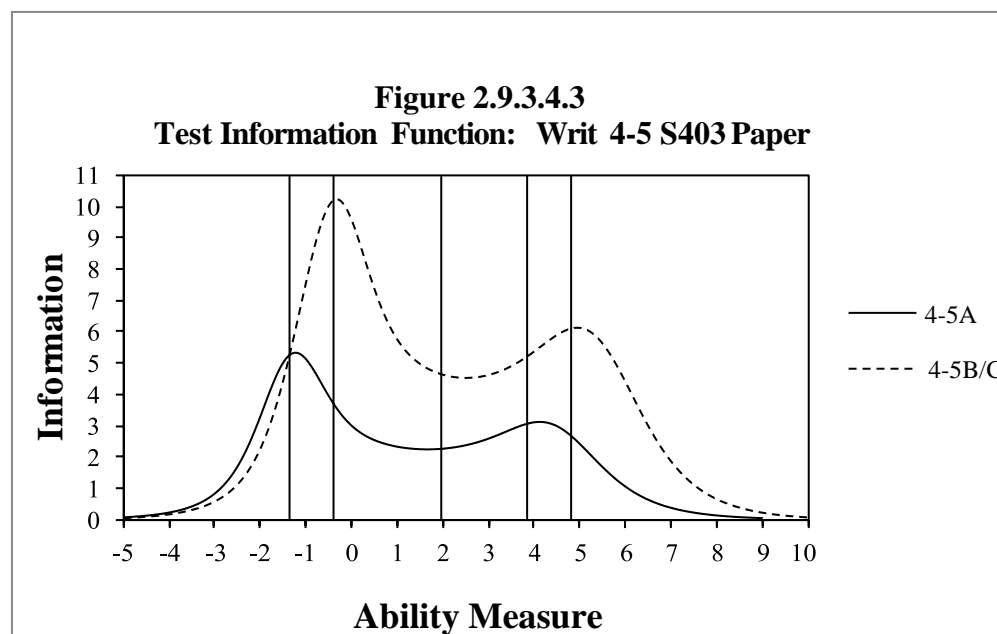


Figure 2.9.3.4.2
Test Information Function: Writ 4-5B/C S403 Paper





2.9.3.5 Grades 6–8

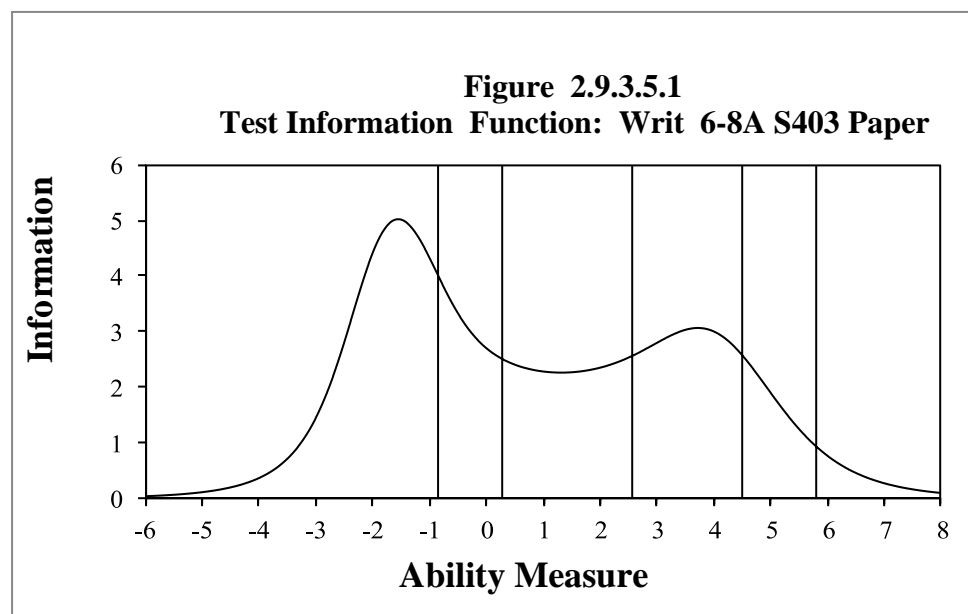


Figure 2.9.3.5.2
Test Information Function: Writ 6-8B/C S403 Paper

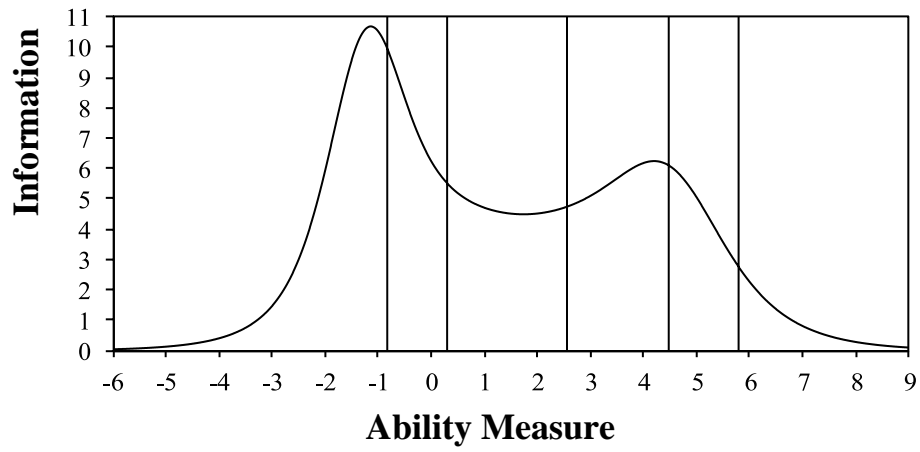
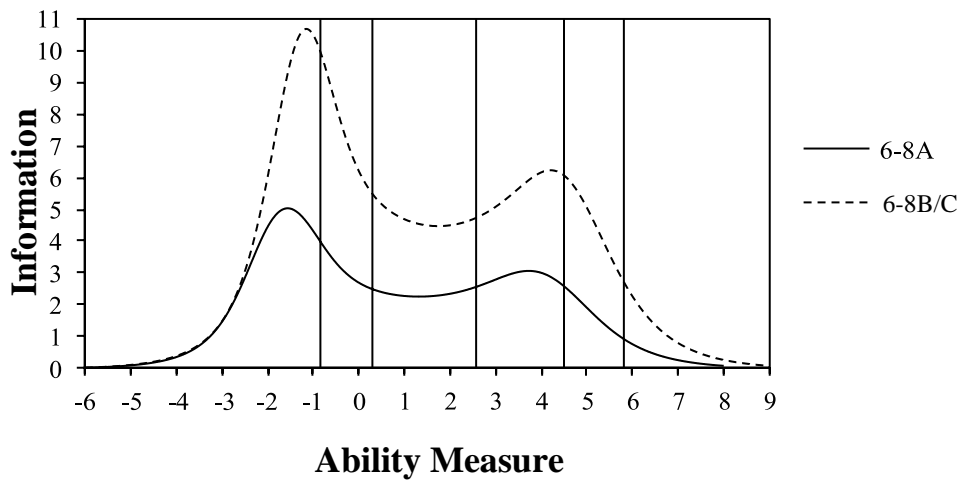


Figure 2.9.3.5.3
Test Information Function: Writ 6-8 S403 Paper



2.9.3.6 Grades 9–12

Figure 2.9.3.6.1
Test Information Function: Writ 9-12A S403 Paper

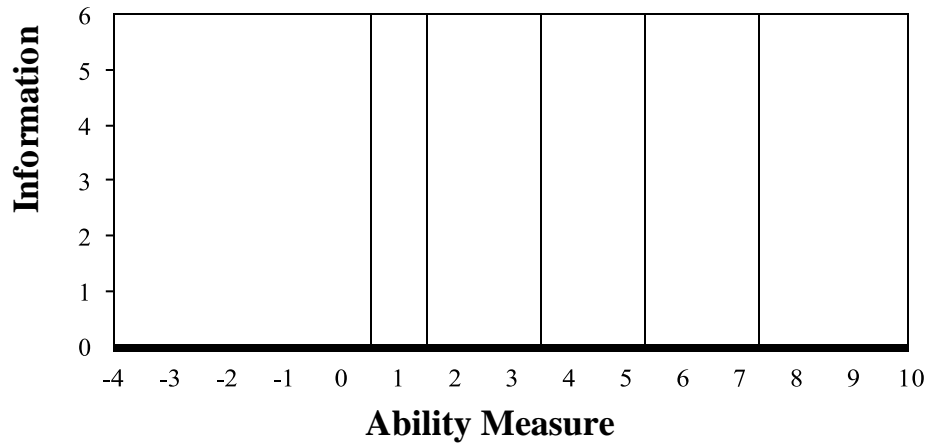
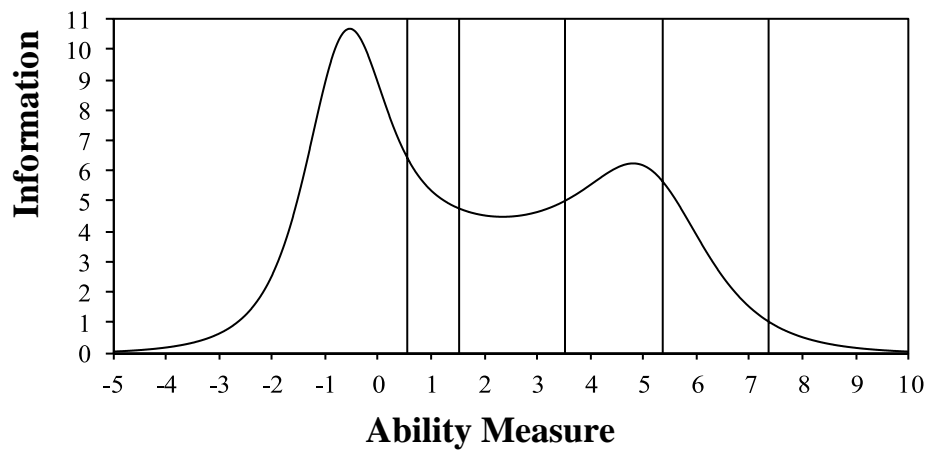
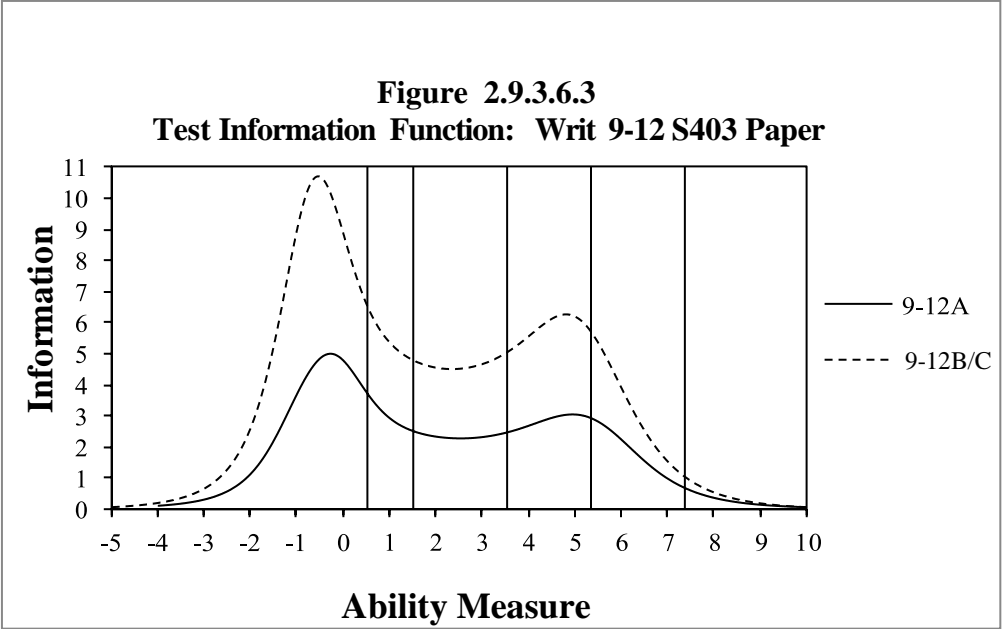


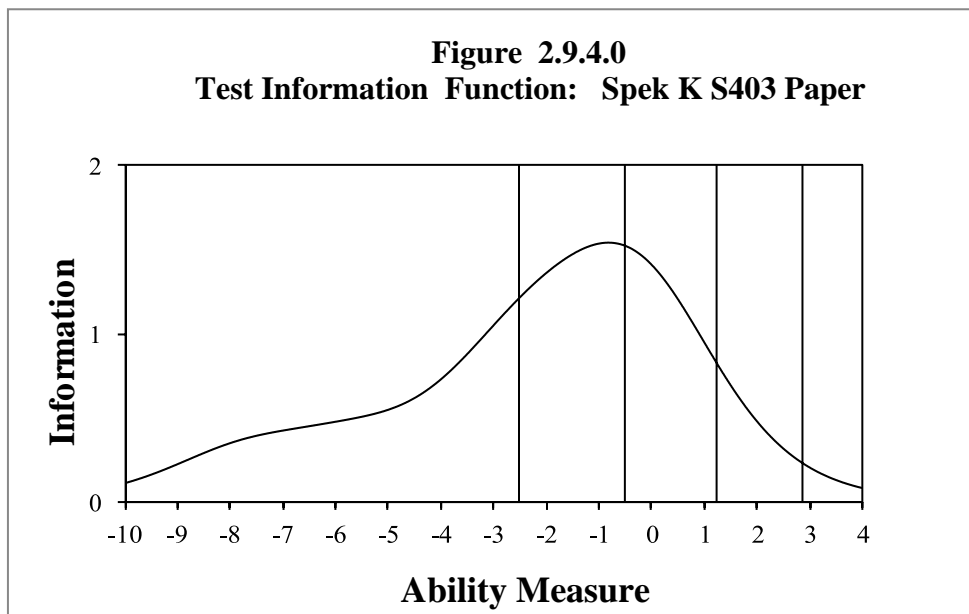
Figure 2.9.3.6.2
Test Information Function: Writ 9-12B/C S403 Paper





2.9.4 Speaking

2.9.4.0 Kindergarten



2.9.4.1 Grade 1

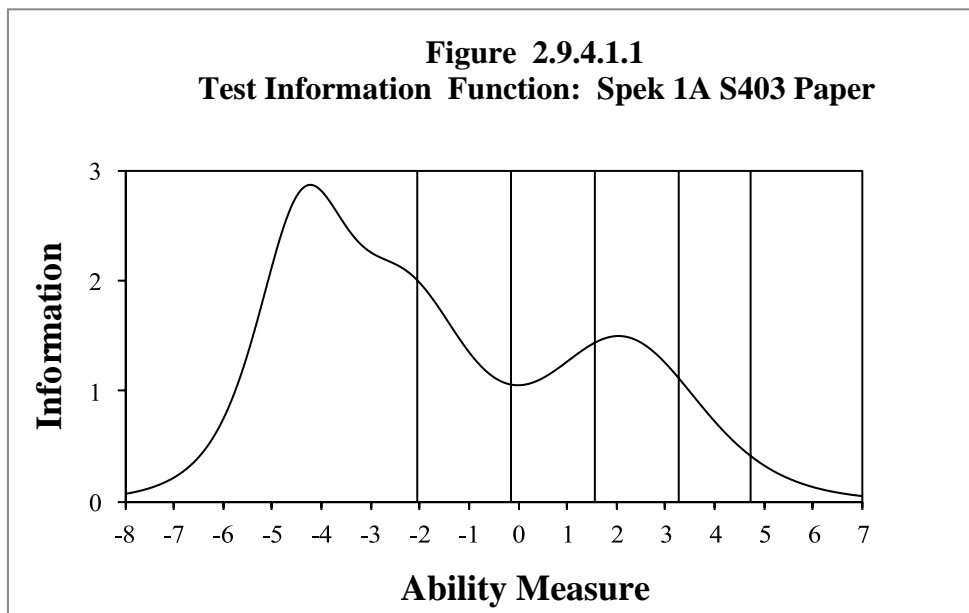


Figure 2.9.4.1.2
Test Information Function: Spek 1B/C S403 Paper

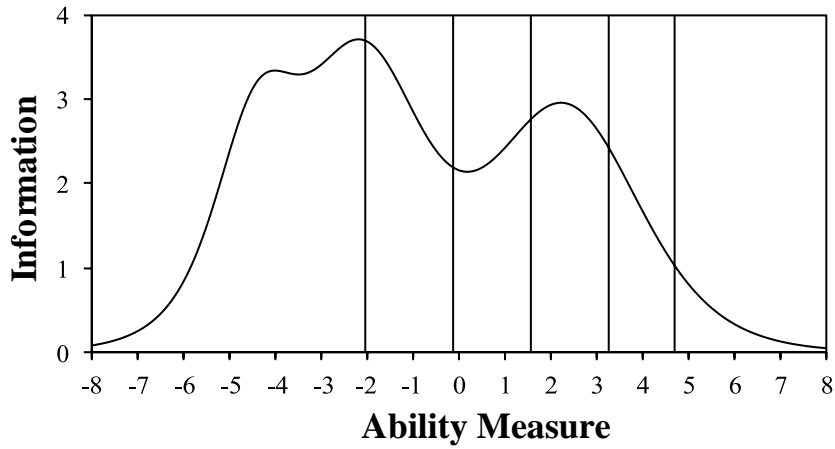
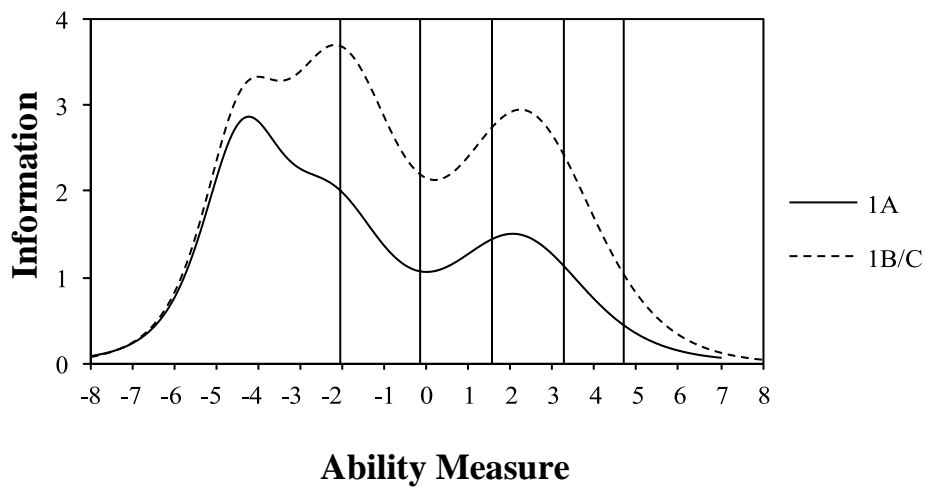
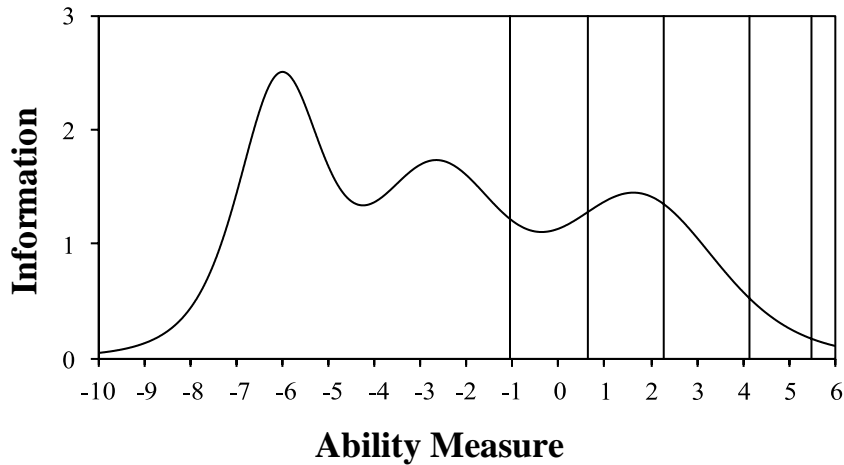


Figure 2.9.4.1.3
Test Information Function: Spek 1 S403 Paper



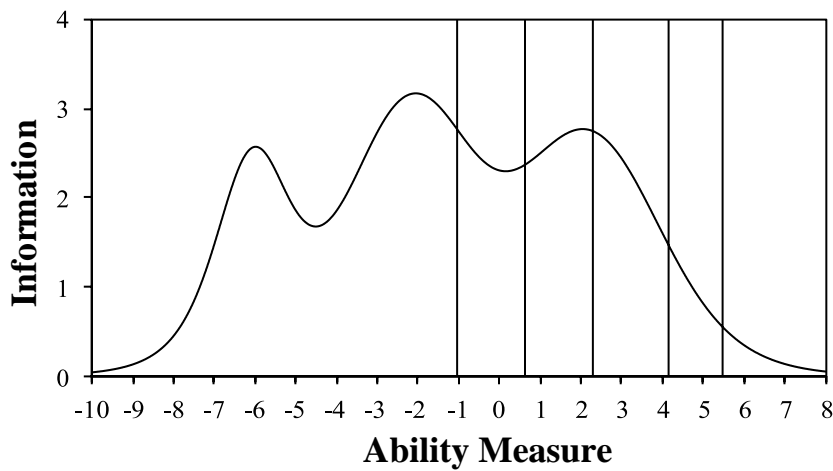
2.9.4.2 Grade 2

Figure 2.9.4.2.1
Test Information Function: Spek 2A S403 Paper



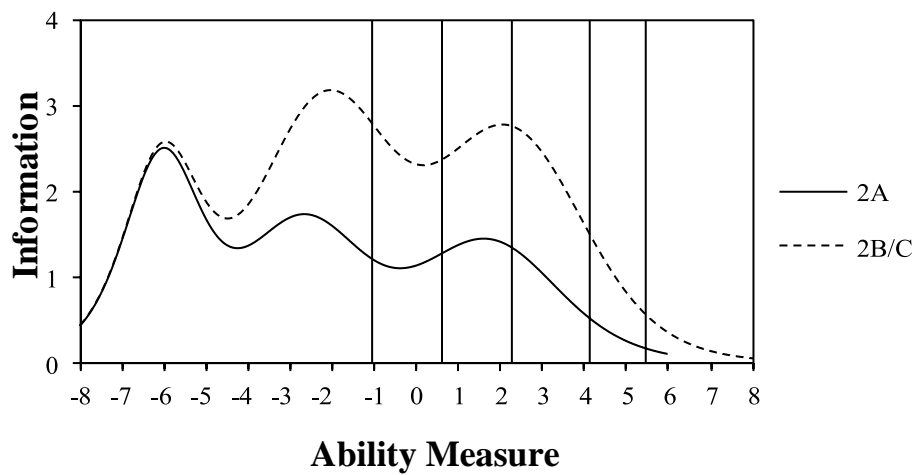
Note: The test form is shared between 2A and 3A.

Figure 2.9.4.2.2
Test Information Function: Spek 2B/C S403 Paper



Note: The test form is shared between 2B/C and 3B/C.

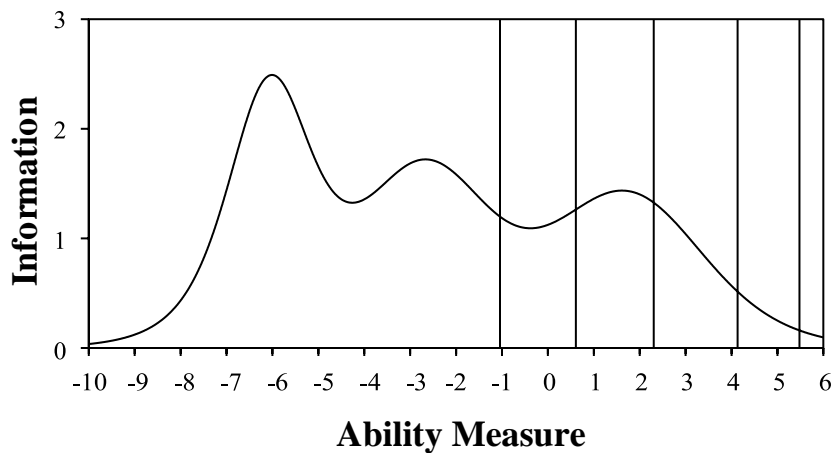
Figure 2.9.4.2.3
Test Information Function: Spek 2 S403 Paper



Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

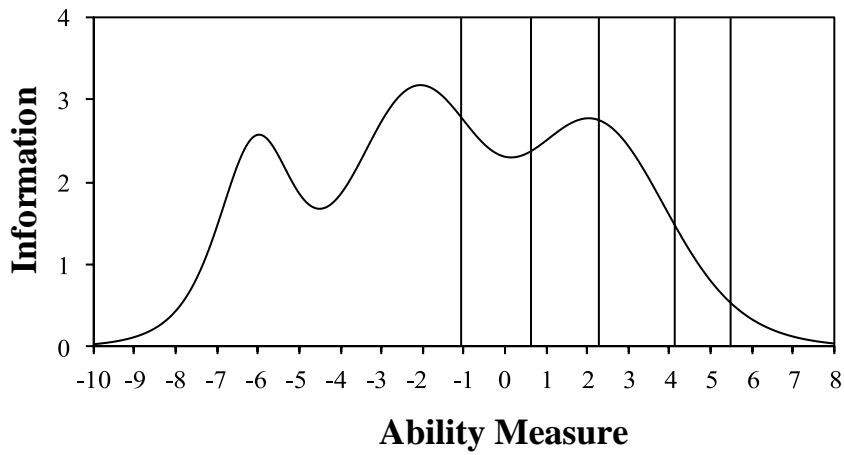
2.9.4.3 Grade 3

Figure 2.9.4.3.1
Test Information Function: Spek 3A S403 Paper



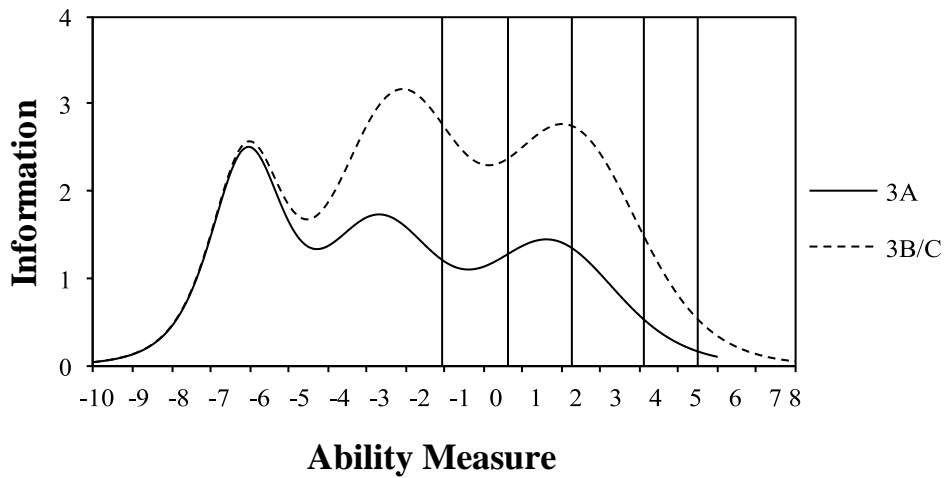
Note: The test form is shared between 2A and 3A.

Figure 2.9.4.3.2
Test Information Function: Spek 3B/C S403 Paper



Note: The test form is shared between 2B/C and 3B/C.

Figure 2.9.4.3.3
Test Information Function: Spek 3 S403 Paper



Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.9.4.4 Grades 4–5

Figure 2.9.4.4.1
Test Information Function: Spek 4-5A S403 Paper

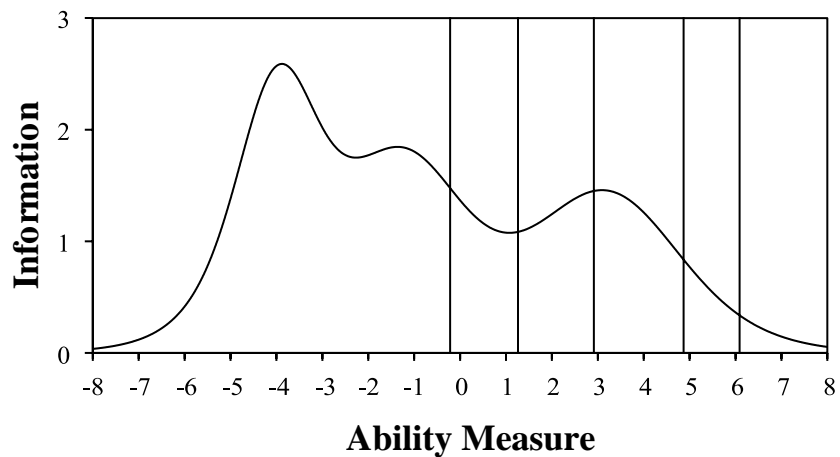


Figure 2.9.4.4.2
Test Information Function: Spek 4-5B/C S403 Paper

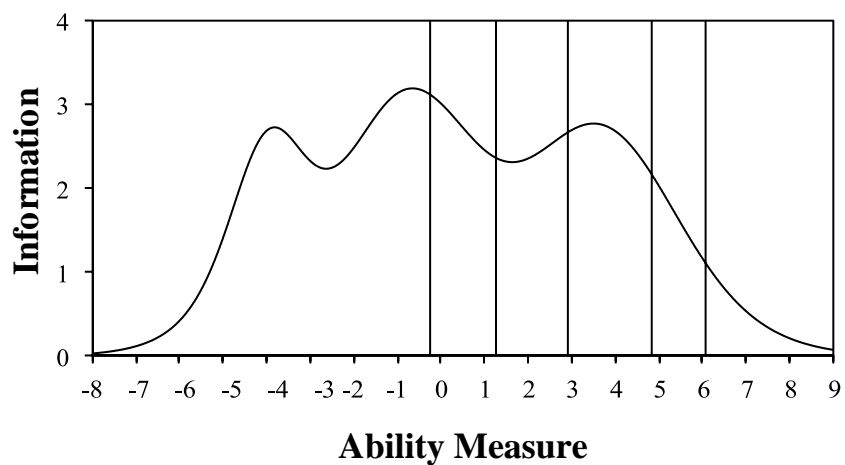
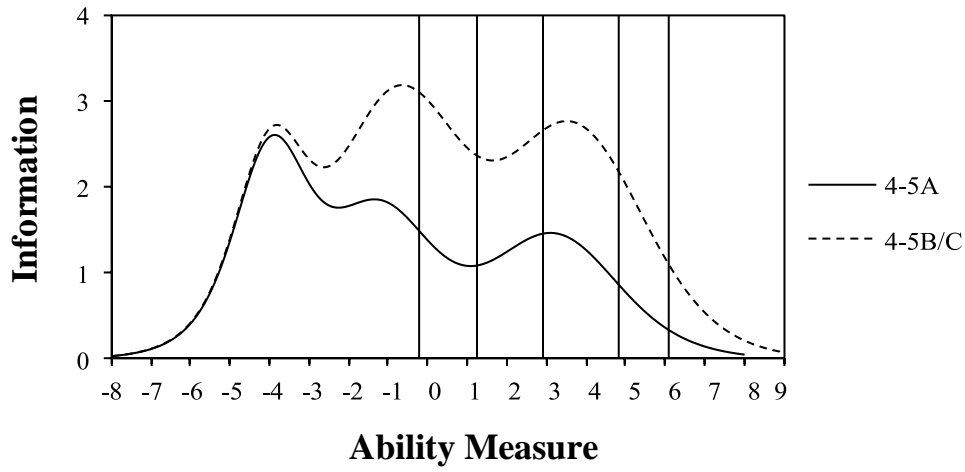


Figure 2.9.4.4.3
Test Information Function: Spek 4-5 S403 Paper



2.9.4.5 Grades 6–8

Figure 2.9.4.5.1
Test Information Function: Spek 6-8A S403 Paper

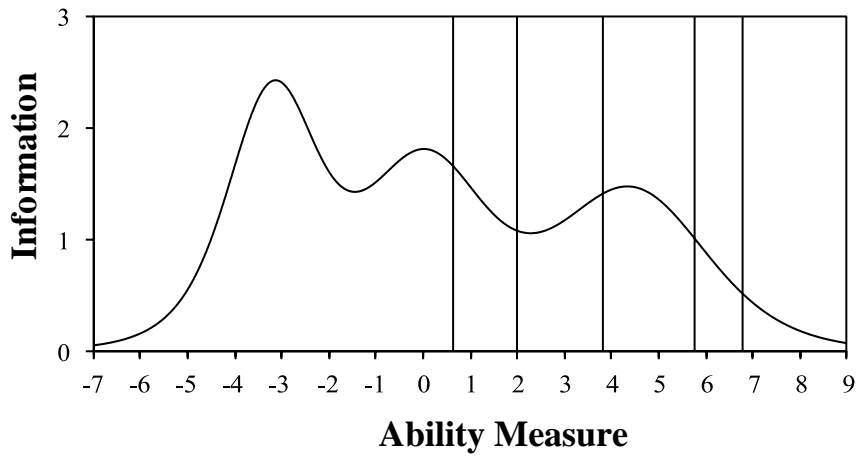


Figure 2.9.4.5.2
Test Information Function: Spek 6-8B/C S403 Paper

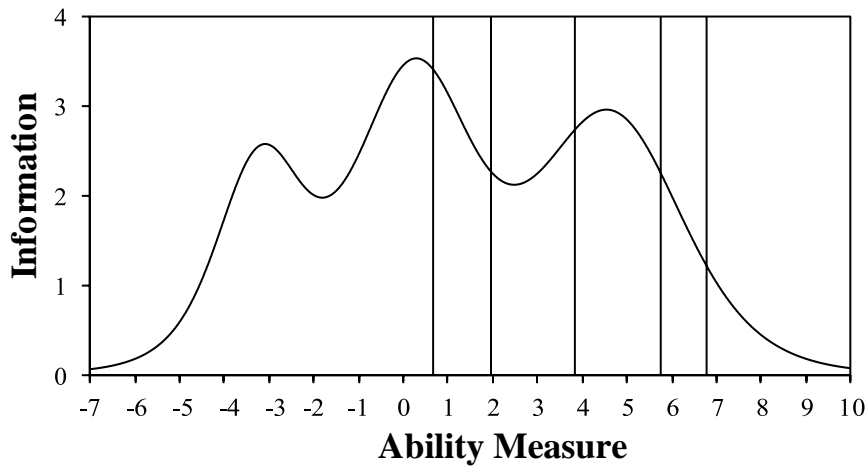
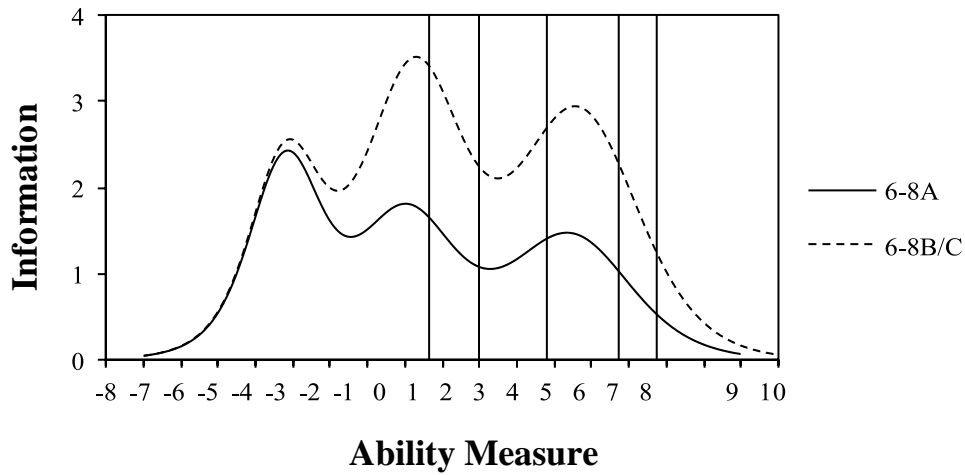


Figure 2.9.4.5.3
Test Information Function: Spek 6-8 S403 Paper



2.9.4.6 Grades 9–12

Figure 2.9.4.6.1
Test Information Function: Spek 9-12A S403 Paper

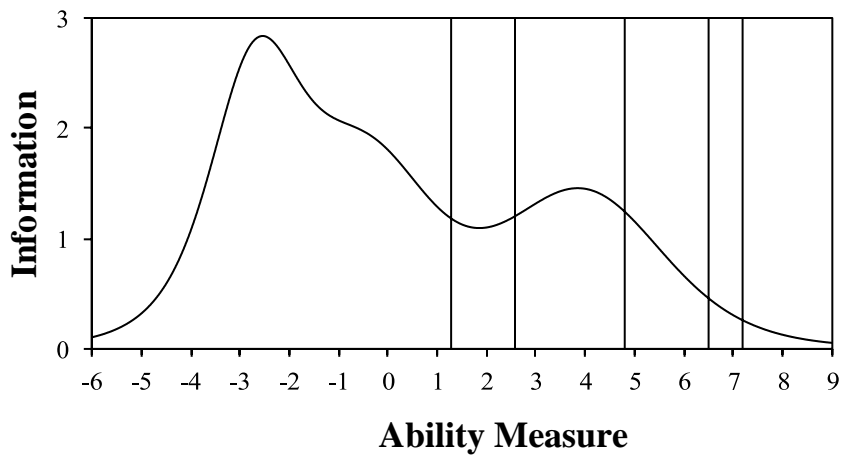


Figure 2.9.4.6.2
Test Information Function: Spek 9-12B/C S403 Paper

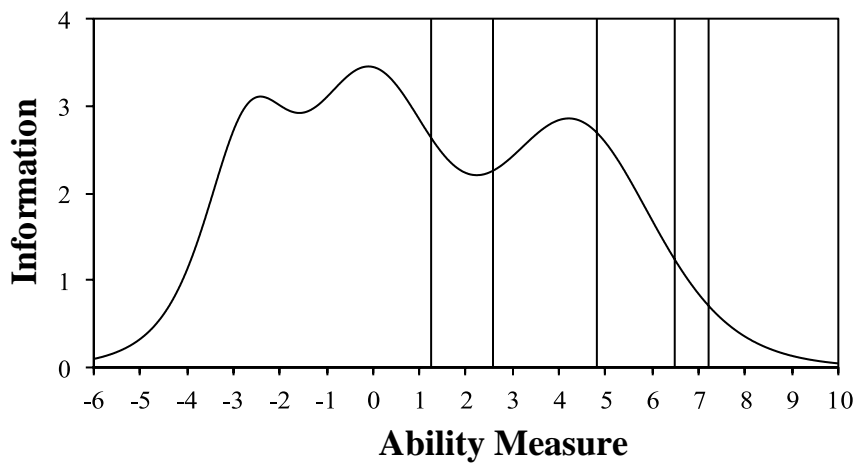
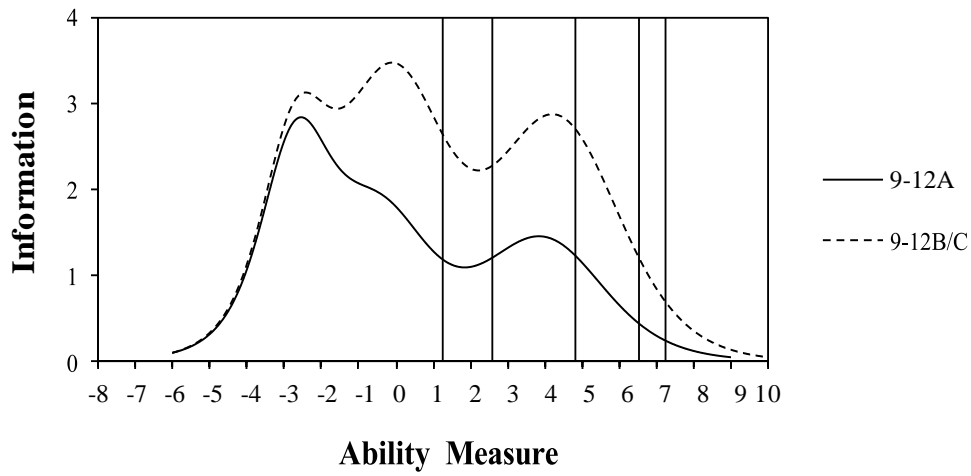


Figure 2.9.4.6.3
Test Information Function: Spek 9-12 S403 Paper



2.10 Reliability

Cronbach's coefficient alpha is widely used as an estimate of reliability, particularly of the internal consistency of test items. It expresses how well the items on a test appear to measure the same construct. Conceptually, it may be thought of as the correlation obtained between performances on two halves of the test, if every possibility of dividing the test items in two were attempted. Thus, Cronbach's alpha may be low if some items are measuring something other than what the majority of the items are measuring. As with any reliability index, it is affected by the number of test items (or test score points that may be awarded). That is, all things being equal, the greater the number of items, the higher the reliability.

Cronbach's alpha is also affected by the distribution of ability within the group of students tested. All things being equal, the greater the heterogeneity of abilities within the group of examinees (i.e., the more widely the scores are distributed), the higher the reliability. In this sense, Cronbach's alpha is *sample dependent*. It is widely recognized that reliability can be as much a function of the sample of students tested as of the test. That is, the same test can produce widely disparate reliability indices based on the ability distribution of the group of examinees. Because ACCESS Paper is a tiered test (that is, because each form in Tier A or BC targets only a certain range of the entire ability distribution), results for reliability on any one form, particularly for the shorter Listening test, may at times be lower than typically expected.

The formula for Cronbach's alpha is

$$\alpha = \frac{n}{n-1} \left[1 - \frac{\sum_{i=1}^n \sigma_i^2}{\sigma_t^2} \right]$$

where

n = number of items i

σ_i^2 = variance of score on item i

σ_t^2 = variance of total score

Tables in this section also present the SEM based on classical test theory. Unlike item response theory, in this approach, SEM is seen as a constant across the spread of test scores (ability continuum). Thus, it is not conditional on ability being measured. It is, however, a function of two statistics: the reliability of the test and the (observed) standard deviation of the test scores. It is calculated as

$$SEM = SD \sqrt{1 - \text{reliability}}$$

Traditionally, SEM has been used to create a band around an examinee's observed score, with the assertion in the view of classical test theory that the examinee's true score (i.e., what the

examinee's score would be if it could be measured without error) would lie with a certain degree of probability within this band. Statistically speaking, then, there is an expectation that an examinee's true score has a 68% probability of lying within the band extending from the observed score minus 1 SEM to the observed score plus 1 SEM.

Tables are provided below to express reliability for each domain. The first table for each domain provides Cronbach's alpha and the SEM for all test takers. Each row in the table represents a test form, and values for the numbers of students, numbers of tasks, Cronbach's alpha, and SEM are provided for each test form. The second table for each domain provides the same information for the population of female students and the population of male students. The third table provides information by ethnicity, for Hispanic and non-Hispanic test takers, and the fourth table provides information for the population of students who have an individualized education plan (IEP).

Note that for the Kindergarten test, a stratified Cronbach's alpha is reported in order to take into consideration that the dichotomous and polytomous items have different true score variance.

2.10.1 Listening

Table 2.10.1.1

Reliability: List S403 Paper

Cluster	Tier	No. of Students	No. of Items	Cronbach's Alpha	SEM
K	-	232,467	30	0.940	1.817
1	A	30,921	18	0.775	1.519
	B/C	56,747	21	0.661	1.713
2	A	30,921	18	0.775	1.519
	B/C	56,747	21	0.661	1.713
3	A	16,500	18	0.759	1.827
	B/C	78,393	21	0.620	1.883
4-5	A	16,500	18	0.759	1.827
	B/C	78,393	21	0.620	1.883
6-8	A	13,823	18	0.740	1.816
	B/C	40,863	21	0.617	1.820
9-12	A	14,449	18	0.644	1.765
	B/C	38,118	21	0.649	1.909

Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

Table 2.10.1.2

Reliability: List S403 Paper by Gender

Cluster	Tier	No. of Items	Female			Male		
			No. of Students	Cronbach's Alpha	SEM	No. of Students	Cronbach's Alpha	SEM
K	-	30	107,660	0.938	1.781	123,251	0.940	1.844
1	A	18	14,098	0.769	1.513	16,739	0.779	1.522
	B/C	21	27,114	0.650	1.683	29,546	0.668	1.738
2	A	18	14,098	0.769	1.513	16,739	0.779	1.522
	B/C	21	27,114	0.650	1.683	29,546	0.668	1.738
3	A	18	7,519	0.757	1.820	8,912	0.761	1.829
	B/C	21	35,983	0.611	1.884	42,325	0.628	1.881
4-5	A	18	7,519	0.757	1.820	8,912	0.761	1.829
	B/C	21	35,983	0.611	1.884	42,325	0.628	1.881
6-8	A	18	6,354	0.742	1.804	7,420	0.738	1.824
	B/C	21	18,649	0.615	1.810	22,141	0.619	1.827
9-12	A	18	6,659	0.626	1.756	7,740	0.657	1.772
	B/C	21	17,803	0.640	1.900	20,204	0.657	1.915

Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

Table 2.10.1.3

Reliability: List S403 Paper by Ethnicity

Cluster	Tier	No. of Items	Hispanic			Other		
			No. of Students	Cronbach's Alpha	SEM	No. of Students	Cronbach's Alpha	SEM
K	-	30	150,851	0.940	1.841	75,355	0.934	1.768
1	A	18	24,295	0.773	1.520	6,350	0.777	1.511
	B/C	21	43,068	0.654	1.710	13,277	0.683	1.717
2	A	18	24,295	0.773	1.520	6,350	0.777	1.511
	B/C	21	43,068	0.654	1.710	13,277	0.683	1.717
3	A	18	12,867	0.757	1.832	3,365	0.760	1.802
	B/C	21	60,595	0.612	1.884	17,081	0.644	1.878
4-5	A	18	12,867	0.757	1.832	3,365	0.760	1.802
	B/C	21	60,595	0.612	1.884	17,081	0.644	1.878
6-8	A	18	11,012	0.738	1.822	2,609	0.740	1.785
	B/C	21	31,261	0.614	1.820	9,116	0.630	1.817
9-12	A	18	11,073	0.642	1.760	3,188	0.652	1.764
	B/C	21	28,598	0.645	1.906	9,201	0.663	1.914

Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

Table 2.10.1.4

Reliability: List S403 Paper by IEP status

Cluster	Tier	No. of Students	No. of Items	Cronbach's Alpha	SEM
K	-	19,995	30	0.949	1.909
1	A	4,244	18	0.746	1.613
	B/C	6,066	21	0.707	1.831
2	A	4,244	18	0.746	1.613
	B/C	6,066	21	0.707	1.831
3	A	1,763	18	0.704	1.846
	B/C	13,613	21	0.615	1.959
4-5	A	1,763	18	0.704	1.846
	B/C	13,613	21	0.615	1.959
6-8	A	937	18	0.682	1.841
	B/C	5,634	21	0.603	1.934
9-12	A	667	18	0.645	1.763
	B/C	2,884	21	0.604	1.985

Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

2.10.2 Reading

Table 2.10.2.1

Reliability: Read S403 Paper

Cluster	Tier	No. of Students	No. of Items	Cronbach's Alpha	SEM
K	-	232,458	30	0.950	1.755
1	A	29,720	24	0.771	2.182
	B/C	50,760	27	0.823	2.307
2	A	29,720	24	0.771	2.182
	B/C	50,760	27	0.823	2.307
3	A	15,671	24	0.820	2.151
	B/C	71,225	27	0.764	2.375
4-5	A	15,671	24	0.820	2.151
	B/C	71,225	27	0.764	2.375
6-8	A	13,197	24	0.786	2.159
	B/C	38,093	27	0.783	2.346
9-12	A	14,104	24	0.789	2.086
	B/C	35,014	27	0.810	2.343

Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

Table 2.10.2.2

Reliability: Read S403 Paper by Gender

Cluster	Tier	No. of Items	Female			Male		
			No. of Students	Cronbach's Alpha	SEM	No. of Students	Cronbach's Alpha	SEM
K	-	30	107,656	0.947	1.758	123,246	0.953	1.752
1	A	24	13,476	0.772	2.175	16,176	0.769	2.187
	B/C	27	24,240	0.826	2.303	26,436	0.821	2.309
2	A	24	13,476	0.772	2.175	16,176	0.769	2.187
	B/C	27	24,240	0.826	2.303	26,436	0.821	2.309
3	A	24	7,215	0.821	2.135	8,390	0.817	2.163
	B/C	27	32,771	0.760	2.373	38,372	0.768	2.372
4-5	A	24	7,215	0.821	2.135	8,390	0.817	2.163
	B/C	27	32,771	0.760	2.373	38,372	0.768	2.372
6-8	A	24	6,085	0.790	2.149	7,068	0.781	2.166
	B/C	27	17,510	0.772	2.332	20,512	0.789	2.355
9-12	A	24	6,552	0.780	2.066	7,504	0.794	2.102
	B/C	27	16,437	0.802	2.332	18,473	0.814	2.349

Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

Table 2.10.2.3

Reliability: Read S403 Paper by Ethnicity

Cluster	Tier	No. of Items	Hispanic			Other		
			No. of Students	Cronbach's Alpha	SEM	No. of Students	Cronbach's Alpha	SEM
K	-	30	150,847	0.946	1.763	75,352	0.954	1.718
1	A	24	23,352	0.762	2.187	6,114	0.795	2.159
	B/C	27	38,431	0.818	2.314	11,963	0.837	2.283
2	A	24	23,352	0.762	2.187	6,114	0.795	2.159
	B/C	27	38,431	0.818	2.314	11,963	0.837	2.283
3	A	24	12,232	0.819	2.153	3,192	0.823	2.141
	B/C	27	55,174	0.757	2.378	15,400	0.784	2.363
4-5	A	24	12,232	0.819	2.153	3,192	0.823	2.141
	B/C	27	55,174	0.757	2.378	15,400	0.784	2.363
6-8	A	24	10,560	0.781	2.162	2,440	0.802	2.137
	B/C	27	29,156	0.780	2.348	8,470	0.792	2.335
9-12	A	24	10,841	0.789	2.086	3,080	0.789	2.081
	B/C	27	26,360	0.810	2.339	8,359	0.811	2.350

Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

Table 2.10.2.4

Reliability: Read S403 Paper by IEP status

Cluster	Tier	No. of Students	No. of Items	Cronbach's Alpha	SEM
K	-	19,992	30	0.959	1.747
1	A	4,122	24	0.690	2.233
	B/C	5,499	27	0.776	2.359
2	A	4,122	24	0.690	2.233
	B/C	5,499	27	0.776	2.359
3	A	1,666	24	0.751	2.224
	B/C	12,586	27	0.687	2.383
4-5	A	1,666	24	0.751	2.224
	B/C	12,586	27	0.687	2.383
6-8	A	903	24	0.683	2.208
	B/C	5,254	27	0.714	2.387
9-12	A	648	24	0.730	2.146
	B/C	2,683	27	0.743	2.408

Note: The test form is shared between 1A and 2A, 1B/C and 2B/C.

The test form is shared between 3A and 4-5A, 3B/C and 4-5B/C.

2.10.3 Writing

Table 2.10.3.1

Reliability: Writ S403 Paper

Cluster	Tier	No. of Students	No. of Tasks	Cronbach's Alpha*	SEM
K	-	232,459	6	0.925	1.172
1	A	24,698	4	0.876	1.985
	B/C	24,207	3	0.941	1.933
2	A	17,145	3	0.919	1.336
	B/C	66,935	3	0.936	1.661
3	A	17,145	3	0.919	1.336
	B/C	66,935	3	0.936	1.661
4-5	A	10,195	3	0.885	1.392
	B/C	47,295	3	0.896	1.915
6-8	A	14,320	3	0.877	1.470
	B/C	41,592	3	0.912	1.791
9-12	A	15,093	3	0.847	1.740
	B/C	39,103	3	0.916	1.925

*Note that for Kindergarten, which includes both dichotomous and polytomous tasks in the Writing test, a stratified Cronbach's alpha is computed.

Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

Table 2.10.3.2

Reliability: Writ S403 Paper by Gender

Cluster	Tier	No. of Tasks	Female			Male		
			No. of Students	Cronbach's Alpha*	SEM	No. of Students	Cronbach's Alpha*	SEM
K	-	6	107,659	0.924	1.172	123,244	0.926	1.173
1	A	4	11,311	0.872	1.941	13,325	0.878	2.005
	B/C	3	11,608	0.935	1.916	12,559	0.945	1.947
2	A	3	7,477	0.915	1.342	9,613	0.920	1.332
	B/C	3	30,954	0.929	1.642	35,901	0.939	1.677
3	A	3	7,477	0.915	1.342	9,613	0.920	1.332
	B/C	3	30,954	0.929	1.642	35,901	0.939	1.677
4-5	A	3	4,702	0.881	1.393	5,449	0.886	1.389
	B/C	3	21,802	0.886	1.887	25,438	0.898	1.937
6-8	A	3	6,562	0.865	1.489	7,706	0.883	1.453
	B/C	3	18,913	0.900	1.712	22,601	0.916	1.844
9-12	A	3	6,933	0.842	1.748	8,107	0.850	1.733
	B/C	3	18,160	0.911	1.863	20,824	0.916	1.968

*Note that for Kindergarten, which includes both dichotomous and polytomous tasks in the Writing test, a stratified Cronbach's alpha is computed.

Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

Table 2.10.3.3

Reliability: Writ S403 Paper by Ethnicity

Cluster	Tier	No. of Tasks	Hispanic			Other		
			No. of Students	Cronbach's Alpha*	SEM	No. of Students	Cronbach's Alpha*	SEM
K	-	6	150,847	0.919	1.169	75,351	0.929	1.175
1	A	4	19,469	0.876	1.997	5,041	0.875	1.917
	B/C	3	17,893	0.939	1.939	6,150	0.945	1.914
2	A	3	13,361	0.920	1.336	3,553	0.914	1.342
	B/C	3	51,476	0.935	1.654	14,973	0.939	1.683
3	A	3	13,361	0.920	1.336	3,553	0.914	1.342
	B/C	3	51,476	0.935	1.654	14,973	0.939	1.683
4-5	A	3	7,950	0.886	1.388	2,066	0.871	1.407
	B/C	3	36,656	0.893	1.915	10,142	0.905	1.918
6-8	A	3	11,392	0.877	1.458	2,709	0.871	1.498
	B/C	3	31,776	0.911	1.762	9,320	0.915	1.882
9-12	A	3	11,544	0.852	1.709	3,346	0.832	1.822
	B/C	3	29,257	0.916	1.890	9,507	0.915	2.017

*Note that for Kindergarten, which includes both dichotomous and polytomous tasks in the Writing test, a stratified Cronbach's alpha is computed.

Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

Table 2.10.3.4

Reliability: Writ S403 Paper by IEP status

Cluster	Tier	No. of Students	No. of Tasks	Cronbach's Alpha*	SEM
K	-	19,993	6	0.924	1.131
1	A	3,195	4	0.880	2.006
	B/C	2,301	3	0.953	1.982
2	A	2,548	3	0.909	1.352
	B/C	9,262	3	0.949	1.752
3	A	2,548	3	0.909	1.352
	B/C	9,262	3	0.949	1.752
4-5	A	943	3	0.881	1.324
	B/C	8,671	3	0.909	1.995
6-8	A	973	3	0.847	1.500
	B/C	5,763	3	0.918	1.978
9-12	A	685	3	0.855	1.648
	B/C	2,961	3	0.919	1.952

*Note that for Kindergarten, which includes both dichotomous and polytomous tasks in the Writing test, a stratified Cronbach's alpha is computed.

Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.10.4 Speaking

Table 2.10.4.1

Reliability: Spek S403 Paper

Cluster	Tier	No. of Students	No. of Tasks	Cronbach's Alpha	SEM
K	-	232,464	10	0.899	1.032
1	A	24,584	6	0.881	1.363
	B/C	24,119	6	0.908	1.387
2	A	17,052	6	0.921	1.328
	B/C	66,694	6	0.908	1.316
3	A	17,052	6	0.921	1.328
	B/C	66,694	6	0.908	1.316
4-5	A	10,136	6	0.905	1.419
	B/C	47,171	6	0.905	1.366
6-8	A	14,231	6	0.892	1.410
	B/C	41,434	6	0.914	1.449
9-12	A	14,973	6	0.891	1.446
	B/C	38,913	6	0.932	1.370

Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

Table 2.10.4.2

Reliability: Spek S403 Paper by Gender

Cluster	Tier	No. of Tasks	Female			Male		
			No. of Students	Cronbach's Alpha	SEM	No. of Students	Cronbach's Alpha	SEM
K	-	10	107,658	0.901	1.010	123,250	0.896	1.049
1	A	6	11,258	0.883	1.375	13,264	0.879	1.352
	B/C	6	11,568	0.906	1.390	12,511	0.910	1.383
2	A	6	7,427	0.921	1.338	9,571	0.920	1.320
	B/C	6	30,846	0.909	1.308	35,769	0.908	1.320
3	A	6	7,427	0.921	1.338	9,571	0.920	1.320
	B/C	6	30,846	0.909	1.308	35,769	0.908	1.320
4-5	A	6	4,674	0.903	1.442	5,418	0.907	1.399
	B/C	6	21,743	0.904	1.361	25,373	0.905	1.368
6-8	A	6	6,524	0.887	1.411	7,656	0.895	1.408
	B/C	6	18,839	0.912	1.456	22,517	0.915	1.441
9-12	A	6	6,871	0.886	1.461	8,049	0.895	1.434
	B/C	6	18,056	0.934	1.373	20,740	0.931	1.365

Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

Table 2.10.4.3

Reliability: Spek S403 Paper by Ethnicity

Cluster	Tier	No. of Tasks	Hispanic			Other		
			No. of Students	Cronbach's Alpha	SEM	No. of Students	Cronbach's Alpha	SEM
K	-	10	150,850	0.901	1.040	75,353	0.888	1.019
1	A	6	19,379	0.884	1.355	5,020	0.861	1.394
	B/C	6	17,835	0.908	1.384	6,121	0.907	1.399
2	A	6	13,294	0.924	1.316	3,535	0.894	1.372
	B/C	6	51,304	0.907	1.311	14,909	0.910	1.333
3	A	6	13,294	0.924	1.316	3,535	0.894	1.372
	B/C	6	51,304	0.907	1.311	14,909	0.910	1.333
4-5	A	6	7,909	0.910	1.404	2,050	0.867	1.474
	B/C	6	36,571	0.903	1.358	10,103	0.909	1.389
6-8	A	6	11,321	0.894	1.399	2,693	0.863	1.445
	B/C	6	31,653	0.914	1.445	9,285	0.913	1.461
9-12	A	6	11,447	0.894	1.444	3,327	0.869	1.451
	B/C	6	29,116	0.934	1.368	9,460	0.927	1.380

Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

Table 2.10.4.4

Reliability: Spek S403 Paper by IEP status

Cluster	Tier	No. of Students	No. of Tasks	Cronbach's Alpha	SEM
K	-	19,994	10	0.893	1.066
1	A	3,174	6	0.859	1.296
	B/C	2,295	6	0.915	1.381
2	A	2,536	6	0.861	1.301
	B/C	9,222	6	0.908	1.319
3	A	2,536	6	0.861	1.301
	B/C	9,222	6	0.908	1.319
4-5	A	937	6	0.851	1.387
	B/C	8,648	6	0.905	1.381
6-8	A	964	6	0.833	1.357
	B/C	5,734	6	0.909	1.461
9-12	A	679	6	0.866	1.497
	B/C	2,948	6	0.924	1.388

Note: The test form is shared between 2A and 3A, 2B/C and 3B/C.

2.11 Interrater Agreement

For the Writing tests (except Kindergarten, which is scored by the test administrator), tables provide information on interrater agreement for a sample of 20% of task raters. These tables show, for each of the tasks, the percentage of agreement between two raters. The first column shows the task, and the second column shows the number of responses that were double scored. DRC selects a sample of 20% of all responses scored, chosen at random during the operational scoring process. The next columns show the rates of agreement.

For Writing, with 0–6 as defined levels and the possibility of awarding a “plus” score between levels (e.g., 3, 3+, or 4 are all valid scores), scores that match or are contiguous (for example, if Rater 1 assigns a 3+ and Rater 2 assigns a score of 3, 3+, or 4) are categorized as agreement (%AG). Scores that are one whole score point apart (for example, if Rater 1 assigns a 3+ and Rater 2 assigns a score of 2+ or 4+) are categorized as adjacent (%AD). Otherwise, the raters are nonadjacent (%NA).

As the Speaking test is scored locally, it is not possible to provide interrater agreement data for Speaking. Section 3.2.3 in Part 1 of this report describes training procedures that local raters must complete before being certified to administer and score the Speaking test.

2.11.3 Writing

2.11.3.0 Kindergarten

Table 2.11.3.0.1

Interrater Agreement: Writ K S403 Paper

Interrater Agreement	n/a
-----------------------------	-----

2.11.3.1 Grade 1

Table 2.11.3.1.1

Interrater Agreement: Writ 1 A S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	11,386	100	0	0
	2	14,606	100	0	0
	3	15,936	98	2	0
	4	14,700	97	3	0

Table 2.11.3.1.2

Interrater Agreement: Writ 1 B/C S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	10,356	97	3	0
	2	12,908	97	3	0
	3	12,474	98	2	0

2.11.3.2 Grade 2

Table 2.11.3.2.1

Interrater Agreement: Writ 2 A S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	6,294	98	2	0
	2	6,248	99	1	0
	3	6,942	99	1	0

Note: the test form is shared between 2A and 3A.

Table 2.11.3.2.2

Interrater Agreement: Writ 2 B/C S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	15,354	98	2	0
	2	15,290	98	2	0
	3	15,620	97	3	0

Note: the test form is shared between 2B/C and 3B/C.

2.11.3.3 Grade 3

Table 2.11.3.3.1

Interrater Agreement: Writ 3 A S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	4,000	97	3	0
	2	3,906	98	2	0
	3	4,280	99	1	0

Note: the test form is shared between 2A and 3A.

Table 2.11.3.3.2

Interrater Agreement: Writ 3 B/C S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	13,686	97	3	0
	2	13,430	97	3	0
	3	13,698	97	3	0

Note: the test form is shared between 2B/C and 3B/C.

2.11.3.4 Grades 4–5

Table 2.11.3.4.1

Interrater Agreement: Writ 4-5 A S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	6,456	97	3	0
	2	5,614	98	2	0
	3	6,424	98	2	0

Table 2.11.3.4.2

Interrater Agreement: Writ 4-5 B/C S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	20,070	97	3	0
	2	19,826	96	4	0
	3	20,978	96	4	0

2.11.3.5 Grades 6–8

Table 2.11.3.5.1

Interrater Agreement: Writ 6-8 A S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	7,330	96	4	0
	2	8,244	97	3	0
	3	7,534	97	3	0

Table 2.11.3.5.2

Interrater Agreement: Writ 6-8 B/C S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	17,458	99	1	0
	2	17,660	97	3	0
	3	18,684	97	3	0

2.11.3.6 Grades 9–12

Table 2.11.3.6.1

Interrater Agreement: Writ 9-12 A S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	8,240	94	6	0
	2	6,890	96	4	0
	3	10,362	97	3	0

Table 2.11.3.6.2

Interrater Agreement: Writ 9-12 B/C S403 Paper

Interrater Agreement	Task	No. in Sample	% AG	% AD	% NA
	1	16,876	97	3	0
	2	17,148	97	3	0
	3	17,544	95	5	0

2.12 Conditional Standard Errors of Measurement at Cut Score

The tables in this section present information on the conditional standard errors of measurement (CSEM) at the most important points at which decisions are made about students based on performance on ACCESS—the cut points between language proficiency levels. Because the cut points depend on the grade level, information is provided for each grade level within a grade-level cluster.

For each domain, the values are presented by tier. From these tables, it is possible to identify how well the different tiers are targeted for making decisions about students at the various proficiency level cuts. For example, Tier A is intended for students at the lowest end of the language proficiency continuum. Optimally, Tier A forms should have the lowest CSEM of any tier at the 1/2 proficiency level cut, and a relatively low CSEM at the 2/3 proficiency level cut. At the other end of the continuum, Tier B/C forms should optimally have the lowest CSEM at the 5/6 proficiency level cut, and a relatively low CSEM at the 4/5 proficiency level cut. Information from these tables provides comparable information on how well the two tier forms are targeted to provide the most accurate measure in order to place their intended examinees into the language proficiency levels that they target.

In the tables below, the leftmost column shows the proficiency level cut (e.g., 1/2, which is the cut between PL 1 and PL 2). The second column shows the grade level. The third column shows the cut score in the scale score metric (e.g., 305). In the last column(s), the corresponding CSEM is given for each cut score in the scale score metric.

2.12.1 Listening

2.12.1.0 Kindergarten

Table 2.12.1.0

Conditional Standard Error of Measurement at Cut Scores: List K S403 Paper

Proficiency Level Cut Point	Cut Score	SEM
1/2	229	17.28
2/3	251	18.41
3/4	278	20.66
4/5	286	21.42
5/6	308	24.80

2.12.1.1 Grade 1

Table 2.12.1.1

Conditional Standard Error of Measurement at Cut Scores: List 1 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	1	236	19.16	19.91
2/3	1	259	19.54	18.79
3/4	1	291	22.54	18.79
4/5	1	303	24.42	19.16
5/6	1	327	29.31	20.66

Note: The test form is shared between Cluster 1 and Cluster 2.

2.12.1.2 Grade 2

Table 2.12.1.2

Conditional Standard Error of Measurement at Cut Scores: List 2 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	2	245	19.16	19.54
2/3	2	283	21.42	18.79
3/4	2	314	26.30	19.91
4/5	2	330	30.43	21.04
5/6	2	354	38.32	24.05

Note: The test form is shared between Cluster 1 and Cluster 2.

2.12.1.3 Grade 3

Table 2.12.1.3

Conditional Standard Error of Measurement at Cut Scores: List 3 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	3	262	21.42	25.55
2/3	3	300	18.79	20.66
3/4	3	331	19.54	19.16
4/5	3	349	21.04	18.67
5/6	3	374	25.17	19.16

Note: The test form is shared between Cluster 3 and Cluster 4-5.

2.12.1.4 Grade 4–5

Table 2.12.1.4

Conditional Standard Error of Measurement at Cut Scores: List 4-5 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	4	275	20.06	23.67
	5	285	19.54	22.17
2/3	4	313	18.79	19.91
	5	323	19.16	19.16
3/4	4	343	20.66	18.79
	5	354	21.79	18.79
4/5	4	363	22.92	18.79
	5	375	25.55	19.16
5/6	4	388	28.55	19.91
	5	401	32.31	21.04

Note: The test form is shared between Cluster 3 and Cluster 4-5.

2.12.1.5 Grade 6–8

Table 2.12.1.5

Conditional Standard Error of Measurement at Cut Scores: List 6-8 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	6	294	20.29	21.04
	7	302	19.91	20.29
	8	308	19.91	19.54
2/3	6	332	19.91	18.03
	7	340	20.40	18.03
	8	347	21.04	17.92
3/4	6	363	22.54	18.03
	7	370	23.29	18.41
	8	377	24.42	18.79
4/5	6	385	25.92	19.16
	7	394	28.18	19.91
	8	402	30.06	20.66
5/6	6	411	33.06	21.79
	7	420	36.07	23.29
	8	427	39.07	24.42

2.12.1.6 Grade 9–12

Table 2.12.1.6

Conditional Standard Error of Measurement at Cut Scores: List 9–12 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	9	314	20.66	21.79
	10	325	20.66	20.70
	11	335	21.04	19.91
	12	342	21.42	19.54
2/3	9	353	22.17	19.16
	10	358	22.54	18.79
	11	364	23.26	18.79
	12	368	23.67	18.79
3/4	9	383	25.92	18.79
	10	389	27.43	18.79
	11	394	28.55	19.16
	12	398	29.31	19.16
4/5	9	409	32.31	19.54
	10	415	34.19	20.29
	11	420	36.07	20.66
	12	426	37.95	21.04
5/6	9	434	41.33	22.17
	10	441	44.71	22.92
	11	447	47.72	24.05
	12	452	50.72	24.80

2.12.2 Reading

2.12.2.0 Kindergarten

Table 2.12.2.0

Conditional Standard Error of Measurement at Cut Scores: Read K S403 Paper

Proficiency Level Cut Point	Cut Score	SEM
1/2	241	15.34
2/3	259	18.46
3/4	279	23.92
4/5	289	27.82
5/6	310	39.26

2.12.2.1 Grade 1

Table 2.12.2.1

Conditional Standard Error of Measurement at Cut Scores: Read 1 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	1	264	11.70	13.78
2/3	1	286	11.44	11.44
3/4	1	304	12.35	10.66
4/5	1	315	13.52	10.61
5/6	1	334	16.54	11.44

Note: The test form is shared between Cluster 1 and Cluster 2.

2.12.2.2 Grade 2

Table 2.12.2.2

Conditional Standard Error of Measurement at Cut Scores: Read 2 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	2	283	11.41	11.70
2/3	2	307	12.74	10.58
3/4	2	326	15.08	10.92
4/5	2	337	17.42	11.70
5/6	2	355	22.62	14.04

Note: The test form is shared between Cluster 1 and Cluster 2.

2.12.2.3 Grade 3

Table 2.12.2.3

Conditional Standard Error of Measurement at Cut Scores: Read 3 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	3	297	11.39	17.68
2/3	3	323	11.91	12.74
3/4	3	342	13.78	10.92
4/5	3	352	15.34	10.66
5/6	3	370	19.50	10.66

Note: The test form is shared between Cluster 3 and Cluster 4-5.

2.12.2.4 Grade 4–5

Table 2.12.2.4

Conditional Standard Error of Measurement at Cut Scores: Read 4-5 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	4	307	11.36	15.34
	5	316	11.70	13.78
2/3	4	335	13.00	11.44
	5	345	14.30	10.82
3/4	4	354	15.86	10.53
	5	364	17.94	10.40
4/5	4	364	17.94	10.40
	5	373	20.54	10.66
5/6	4	382	23.40	11.18
	5	391	27.30	11.96

Note: The test form is shared between Cluster 3 and Cluster 4-5.

2.12.2.5 Grade 6–8

Table 2.12.2.5

Conditional Standard Error of Measurement at Cut Scores: Read 6-8 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	6	323	11.70	13.52
	7	329	11.44	12.74
	8	335	11.47	11.96
2/3	6	353	11.96	10.92
	7	360	12.48	10.58
	8	366	12.74	10.66
3/4	6	373	13.52	10.58
	7	380	14.56	10.92
	8	386	15.60	11.18
4/5	6	382	14.87	10.87
	7	389	16.12	11.18
	8	395	17.42	11.70
5/6	6	399	18.20	12.22
	7	406	20.28	13.00
	8	412	22.10	13.78

2.12.2.6 Grade 9–12

Table 2.12.2.6

Conditional Standard Error of Measurement at Cut Scores: Read 9-12 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	9	340	11.70	13.78
	10	344	11.70	13.21
	11	348	11.70	12.74
	12	352	11.70	12.22
2/3	9	372	12.58	10.66
	10	377	13.00	10.40
	11	382	13.52	10.40
	12	386	14.04	10.40
3/4	9	392	14.82	10.45
	10	397	15.60	10.66
	11	402	16.64	10.92
	12	407	17.68	11.18
4/5	9	401	16.38	10.66
	10	406	17.42	11.18
	11	410	18.46	11.44
	12	414	19.50	11.70
5/6	9	418	20.54	12.22
	10	423	22.36	12.74
	11	427	23.66	13.26
	12	432	25.74	14.04

2.12.3 Writing

2.12.3.0 Kindergarten

Table 2.12.3.0

Conditional Standard Error of Measurement at Cut Scores: Writ K S403 Paper

Proficiency Level Cut Point	Cut Score	SEM
1/2	234	18.97
2/3	271	21.15
3/4	311	31.41
4/5	367	43.22
5/6	389	52.55

2.12.3.1 Grade 1

Table 2.12.3.1

Conditional Standard Error of Measurement at Cut Scores: Writ 1 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	1	238	10.31	8.54
2/3	1	275	13.96	10.74
3/4	1	337	13.69	12.35
4/5	1	382	13.16	10.74
5/6	1	405	16.38	11.81

2.12.3.2 Grade 2

Table 2.12.3.2

Conditional Standard Error of Measurement at Cut Scores: Writ 2 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	2	242	11.81	8.86
2/3	2	279	16.27	11.01
3/4	2	341	17.18	12.30
4/5	2	388	15.31	11.01
5/6	2	411	18.26	12.35

Note: The test form is shared between Cluster 2 and Cluster 3.

2.12.3.3 Grade 3

Table 2.12.3.3

Conditional Standard Error of Measurement at Cut Scores: Writ 3 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	3	247	12.08	8.86
2/3	3	283	16.65	11.28
3/4	3	346	17.18	12.14
4/5	3	394	15.65	11.14
5/6	3	418	20.41	13.43

Note: The test form is shared between Cluster 2 and Cluster 3.

2.12.3.4 Grade 4–5

Table 2.12.3.4

Conditional Standard Error of Measurement at Cut Scores: Writ 4-5 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	4	266	11.81	11.79
	5	267	11.55	11.55
2/3	4	288	13.43	8.59
	5	293	14.04	8.32
3/4	4	351	17.99	12.35
	5	356	17.72	12.35
4/5	4	401	15.57	11.98
	5	407	15.31	11.81
5/6	4	425	15.57	11.01
	5	433	16.65	10.74

2.12.3.5 Grade 6–8

Table 2.12.3.5

Conditional Standard Error of Measurement at Cut Scores: Writ 6-8 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	6	268	12.35	8.32
	7	273	12.62	8.32
	8	281	13.69	8.59
2/3	6	298	15.84	10.20
	7	305	16.65	11.01
	8	311	16.92	11.55
3/4	6	361	17.45	12.62
	7	367	17.18	12.35
	8	372	16.92	12.35
4/5	6	413	15.57	10.74
	7	419	16.11	10.74
	8	424	16.92	11.01
5/6	6	441	20.68	12.35
	7	450	23.90	14.23
	8	459	27.93	16.38

2.12.3.6 Grade 9–12

Table 2.12.3.6

Conditional Standard Error of Measurement at Cut Scores: Writ 9-12 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	9	289	12.35	8.32
	10	298	12.08	8.59
	11	308	12.89	9.53
	12	318	14.23	10.74
2/3	9	319	14.23	10.77
	10	326	15.31	11.28
	11	335	16.38	11.81
	12	344	17.02	12.32
3/4	9	378	17.72	12.62
	10	385	17.72	12.35
	11	391	17.45	12.22
	12	398	17.18	12.08
4/5	9	430	15.47	10.74
	10	436	15.31	10.74
	11	441	15.57	11.01
	12	447	15.84	11.28
5/6	9	469	19.33	14.77
	10	479	22.29	17.45
	11	490	27.12	21.48
	12	501	33.03	26.42

2.12.4 Speaking

2.12.4.0 Kindergarten

Table 2.12.4.0

Conditional Standard Error of Measurement at Cut Scores: Spek K S403 Paper

Proficiency Level Cut Point	Cut Score	SEM
1/2	191	28.06
2/3	250	20.92
3/4	301	16.33
4/5	349	22.45
5/6	392	53.57

2.12.4.1 Grade 1

Table 2.12.4.1

Conditional Standard Error of Measurement at Cut Scores: Spek 1 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	1	205	20.77	15.21
2/3	1	261	28.37	19.89
3/4	1	311	24.28	17.55
4/5	1	361	28.08	19.01
5/6	1	403	45.63	29.25

2.12.4.2 Grade 2

Table 2.12.4.2

Conditional Standard Error of Measurement at Cut Scores: Spek 2 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	2	220	24.86	16.67
2/3	2	273	26.91	19.30
3/4	2	322	24.57	17.55
4/5	2	374	35.39	21.64
5/6	2	415	62.30	34.80

Note: The test form is shared between Cluster 2 and Cluster 3.

2.12.4.3 Grade 3

Table 2.12.4.3

Conditional Standard Error of Measurement at Cut Scores: Spek 3 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	3	234	26.62	17.55
2/3	3	283	26.03	19.01
3/4	3	332	25.45	17.55
4/5	3	386	40.95	24.28
5/6	3	425	72.83	40.07

Note: The test form is shared between Cluster 2 and Cluster 3.

2.12.4.4 Grade 4–5

Table 2.12.4.4

Conditional Standard Error of Measurement at Cut Scores: Spek 4-5 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	4	246	22.52	16.38
	5	258	23.98	16.67
2/3	4	293	28.08	18.72
	5	302	28.08	19.01
3/4	4	342	24.57	18.13
	5	350	24.28	17.84
4/5	4	397	29.25	19.01
	5	407	31.88	20.18
5/6	4	435	45.04	25.74
	5	443	50.60	28.08

2.12.4.5 Grade 6–8

Table 2.12.4.5

Conditional Standard Error of Measurement at Cut Scores: Spek 6-8 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	6	268	21.64	15.79
	7	277	22.23	15.50
	8	284	22.81	15.79
2/3	6	310	26.62	18.13
	7	317	27.49	19.01
	8	323	28.08	19.60
3/4	6	360	26.03	19.01
	7	369	25.15	18.43
	8	377	24.57	17.84
4/5	6	417	25.74	17.84
	7	425	27.20	18.43
	8	433	28.96	19.60
5/6	6	451	35.10	23.11
	7	457	37.73	24.86
	8	463	40.95	26.62

2.12.4.6 Grade 9–12

Table 2.12.4.6

Conditional Standard Error of Measurement at Cut Scores: Spek 9-12 S403 Paper

Proficiency Level Cut Point	Grade	Cut Score	SEM	
			Tier A	Tier B/C
1/2	9	290	25.15	16.96
	10	295	26.03	17.55
	11	299	26.62	17.84
	12	302	26.91	18.13
2/3	9	328	27.79	19.60
	10	333	27.20	19.60
	11	337	26.91	19.60
	12	340	26.62	19.30
3/4	9	385	24.28	17.26
	10	393	24.86	17.26
	11	400	25.74	17.55
	12	406	26.32	17.84
4/5	9	440	36.27	22.52
	10	446	38.90	23.98
	11	451	41.82	25.15
	12	455	43.87	26.03
5/6	9	468	52.94	31.29
	10	471	55.57	32.46
	11	474	57.91	33.93
	12	476	59.67	35.10

2.13 Accuracy and Consistency

One of the main purposes of the WIDA ACCESS program is to identify the English language proficiency level of students with respect to the WIDA ELD Standards. Because of the emphasis on the classification of student performance, a psychometric property of interest is how accurately and consistently ACCESS can classify students into WIDA proficiency categories. The analyses utilize the methods outlined by Livingston and Lewis (1995) and Young and Yoon (1998) as implemented in the software program BB-CLASS (Brennan, 2004; cf. also Lee, Hanson, & Brennan, 2002).

Classification accuracy is defined conceptually as the extent to which the proficiency classifications of students based on the assessment would agree with those made on the basis of their true scores. True scores are, of course, unknown. A common practice is to estimate the true scores based on observed scores and the parameters of the model used in estimating the true scores. Classification consistency is defined conceptually as the extent to which the proficiency classifications of students agree given two independent administrations of the same or two parallel test forms. However, it is impractical to obtain repeated administrations of the same or parallel test forms because of cost, testing burden, and effects of student memory and practice. A common approach is to estimate classification consistency from a single administration of a test.

Tables in this section present three pieces of information related to the accuracy and consistency of placement into the WIDA language proficiency levels for each domain. A separate table is provided for each grade in a grade-level cluster.

The first section provides overall indices related to the accuracy and consistency of classification, as well as Cohen's kappa. Overall accuracy indicates the percentage of all students who would be classified into the same language proficiency level by both the administered test and the true score distribution. For example, an overall accuracy of 0.774 means that an estimated 77% of students would be classified into the correct performance level according to observed and true scores. Overall consistency indicates the percentage of all students who would be classified into the same language proficiency level by both the administered test and by a parallel test. For example, an overall classification consistency of 0.664 means that an estimated 66% of students would be classified into the same performance level if two parallel forms were administered. Cohen's kappa assesses the proportion of consistency classifications after removing the proportion of consistent classifications that would be expected by chance. Due to this correction, Cohen's kappa values tend to be lower than overall consistency.

The second section of the table shows accuracy and consistency information conditional on proficiency level. The conditional accuracy indices examine the percentage of students classified by both tests into a proficiency level, divided by all students classified into that proficiency level according to the true score distribution. For example, an accuracy of 0.774 at PL 3 means that an estimated 77% of students are classified into PL 3 when their true scores suggest that they would be in PL 3. The conditional consistency indices examine the percentage of students classified by both tests into a proficiency level divided by all students classified into that proficiency level

according to a parallel test. For example, a classification consistency of 0.664 at PL 4 means that an estimated 66% of students would be classified into PL 4 when a parallel form suggests that these students would be classified in PL 4.

The third section of the table provides indices of classification accuracy, including the false-positives and the false-negatives, and consistency at the cut points. These indices are perhaps the most important of all when using any of these as an absolute cut point (e.g., determining which students have reached PL 5). For example, to evaluate the degree of confidence that one can have in a decision made based on the domain scores as to whether or not students are being accurately (consistently) classified into PL 5 (“Bridging”), one can look at the accuracy (consistency) index provided in the table for the cut score 4/5. Note that the accuracy and consistency are generally higher at the cut points than over the proficiency levels.

In terms of classifications around a single cut point, students can be misclassified in one of two ways. Students who were below the proficiency level cut score (based on their “true score”) but were classified based on the observed score as being above the cut score are considered to be false-positives. Students who were above the proficiency level cut score (based on their “true score”) but were classified as being below a cut score based on the observed score are considered to be false-negatives. All other students are considered to be accurately placed either above or below the cut score. The accuracy indices at the cut score examine the percentage of students who are accurately placed above and below the cut score.

The consistency indices at the cut examine the percentage of students classified consistently above and below the cut score.

In several cases no test takers were placed into the proficiency level, and accuracy and consistency of classification conditional on that level cannot be computed. Also, when the number of test takers placed into the proficiency level is smaller than 200, BB-CLASS produces estimates that are out of bounds (for example, a negative estimated percentage of students placed in the proficiency level). In these cases, ‘N/A’ has been placed in the table. In addition, there are a few cases where, due to the small percentage of test takers placed into the proficiency level and the range of observed scale scores, accuracy of classification conditional on that level cannot be estimated by BB-CLASS. In such cases, a hyphen (-) has been placed in the table.

The approach taken by Livingston and Lewis (1995) and implemented here uses information about the reliability of the test, the cut scores, and the observed distribution of scores. Then, using a four-parameter beta distribution, the distribution of the true scores and of scores on a parallel form is modeled. The Livingston and Lewis procedure requires that the reliability estimate of the test form be provided in estimating the classification consistency and accuracy statistics. Since ACCESS Paper tests were tiered, it was necessary to produce a single reliability estimate across tiers for the Livingston and Lewis procedure. This is a weighted reliability estimate across tiers (see Section 2.10).

2.13.1 Listening

Table 2.13.1.0

Accuracy and Consistency of Classification Indices: List (Grade K) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.689	0.627	0.506		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.880	0.828		
	2	0.459	0.342		
	3	0.329	0.250		
	4	0.219	0.161		
	5	0.459	0.347		
	6	0.825	0.776		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.944	0.032	0.024	0.922
	2/3	0.932	0.027	0.041	0.906
	3/4	0.920	0.046	0.034	0.889
	4/5	0.911	0.041	0.049	0.880
	5/6	0.899	0.033	0.068	0.860

Table 2.13.1.1

Accuracy and Consistency of Classification Indices: List (Grade 1) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.525	0.442	0.243		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.680	0.376		
	2	0.405	0.260		
	3	0.329	0.237		
	4	0.251	0.190		
	5	0.414	0.340		
	6	0.766	0.668		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.972	0.005	0.023	0.958
	2/3	0.931	0.013	0.056	0.903
	3/4	0.867	0.066	0.066	0.806
	4/5	0.821	0.082	0.098	0.758
	5/6	0.808	0.099	0.093	0.739

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.2

Accuracy and Consistency of Classification Indices: List (Grade 2) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.521	0.433		0.216	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.732		0.427	
	2	0.419		0.275	
	3	0.371		0.259	
	4	0.186		0.136	
	5	0.409		0.330	
	6	0.725		0.635	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.976	0.004	0.020	0.966
	2/3	0.937	0.017	0.046	0.907
	3/4	0.873	0.047	0.080	0.817
	4/5	0.832	0.079	0.089	0.763
	5/6	0.774	0.106	0.120	0.698

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.3

Accuracy and Consistency of Classification Indices: List (Grade 3) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.502	0.411		0.193	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.596		0.186	
	2	0.523		0.285	
	3	0.430		0.293	
	4	0.182		0.136	
	5	0.459		0.385	
	6	0.713		0.597	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.994	0.000	0.006	0.989
	2/3	0.948	0.007	0.045	0.925
	3/4	0.867	0.035	0.098	0.808
	4/5	0.815	0.094	0.091	0.736
	5/6	0.770	0.128	0.102	0.695

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.4

Accuracy and Consistency of Classification Indices: List (Grade 4) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.507	0.411		0.200	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.655		0.290	
	2	0.524		0.309	
	3	0.362		0.242	
	4	0.275		0.207	
	5	0.484		0.406	
	6	0.655		0.558	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.990	0.001	0.008	0.984
	2/3	0.950	0.011	0.040	0.925
	3/4	0.885	0.043	0.073	0.828
	4/5	0.811	0.087	0.102	0.742
	5/6	0.774	0.090	0.136	0.700

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.5

Accuracy and Consistency of Classification Indices: List (Grade 5) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.508	0.414		0.208	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.651		0.305	
	2	0.489		0.296	
	3	0.328		0.222	
	4	0.273		0.206	
	5	0.480		0.402	
	6	0.692		0.583	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.986	0.002	0.012	0.978
	2/3	0.942	0.012	0.046	0.916
	3/4	0.883	0.046	0.071	0.825
	4/5	0.812	0.094	0.094	0.743
	5/6	0.787	0.100	0.113	0.712

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.6

Accuracy and Consistency of Classification Indices: List (Grade 6) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.424	0.337		0.172	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.734		0.463	
	2	0.498		0.342	
	3	0.276		0.196	
	4	0.387		0.299	
	5	0.345		0.294	
	6	0.619		0.468	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.965	0.007	0.028	0.950
	2/3	0.911	0.022	0.067	0.872
	3/4	0.851	0.074	0.076	0.780
	4/5	0.778	0.089	0.132	0.705
	5/6	0.794	0.125	0.082	0.725

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.7

Accuracy and Consistency of Classification Indices: List (Grade 7) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.411	0.325		0.168	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.754		0.495	
	2	0.356		0.248	
	3	0.314		0.229	
	4	0.367		0.289	
	5	0.359		0.304	
	6	0.579		0.425	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.945	0.010	0.046	0.924
	2/3	0.901	0.036	0.063	0.851
	3/4	0.836	0.079	0.084	0.770
	4/5	0.779	0.096	0.126	0.707
	5/6	0.810	0.108	0.082	0.741

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.8

Accuracy and Consistency of Classification Indices: List (Grade 8) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.403	0.323		0.169	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.608		0.383	
	2	0.400		0.301	
	3	0.340		0.247	
	4	0.285		0.212	
	5	0.340		0.290	
	6	0.608		0.473	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.934	0.017	0.050	0.907
	2/3	0.883	0.049	0.068	0.834
	3/4	0.844	0.070	0.087	0.777
	4/5	0.804	0.097	0.100	0.725
	5/6	0.787	0.134	0.078	0.731

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.9

Accuracy and Consistency of Classification Indices: List (Grade 9) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.399	0.317		0.175	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.681		0.464	
	2	0.442		0.334	
	3	0.292		0.223	
	4	0.381		0.303	
	5	0.324		0.264	
	6	0.608		0.390	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.914	0.024	0.061	0.878
	2/3	0.852	0.057	0.092	0.791
	3/4	0.818	0.101	0.081	0.746
	4/5	0.812	0.104	0.084	0.745
	5/6	0.866	0.107	0.028	0.818

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.10

Accuracy and Consistency of Classification Indices: List (Grade 10) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.404	0.314	0.167		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.710	0.477		
	2	0.377	0.278		
	3	0.330	0.263		
	4	0.418	0.341		
	5	0.328	0.249		
	6	0.602	0.338		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.912	0.023	0.065	0.873
	2/3	0.844	0.060	0.095	0.780
	3/4	0.793	0.115	0.092	0.722
	4/5	0.819	0.097	0.084	0.751
	5/6	0.903	0.075	0.022	0.852

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.11

Accuracy and Consistency of Classification Indices: List (Grade 11) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.410	0.325	0.181		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.732	0.503		
	2	0.277	0.205		
	3	0.434	0.351		
	4	0.312	0.250		
	5	0.364	0.273		
	6	0.714	0.427		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.902	0.026	0.072	0.859
	2/3	0.842	0.073	0.085	0.777
	3/4	0.794	0.097	0.109	0.723
	4/5	0.831	0.110	0.059	0.763
	5/6	0.901	0.084	0.015	0.861

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.1.12

Accuracy and Consistency of Classification Indices: List (Grade 12) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.435	0.336		0.178	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.721		0.506	
	2	0.323		0.244	
	3	0.380		0.312	
	4	0.458		0.370	
	5	0.385		0.260	
	6	0.647		0.296	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.889	0.031	0.080	0.842
	2/3	0.826	0.071	0.103	0.759
	3/4	0.790	0.120	0.089	0.720
	4/5	0.869	0.083	0.048	0.807
	5/6	0.952	0.041	0.007	0.920

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

2.13.2 Reading

Table 2.13.2.0

Accuracy and Consistency of Classification Indices: Read (Grade K) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.806	0.778	0.536		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.974	0.962		
	2	0.226	0.158		
	3	0.518	0.393		
	4	0.292	0.257		
	5	0.741	0.575		
	6	N/A	N/A		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.955	0.019	0.026	0.933
	2/3	0.956	0.030	0.014	0.936
	3/4	0.946	0.035	0.019	0.926
	4/5	0.919	0.072	0.009	0.913
	5/6	N/A	N/A	N/A	N/A

Table 2.13.2.1

Accuracy and Consistency of Classification Indices: Read (Grade 1) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.492	0.393	0.234		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.623	0.449		
	2	0.451	0.390		
	3	0.512	0.397		
	4	0.283	0.198		
	5	0.449	0.315		
	6	0.825	0.645		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.840	0.047	0.113	0.791
	2/3	0.820	0.117	0.064	0.754
	3/4	0.884	0.067	0.048	0.835
	4/5	0.924	0.048	0.028	0.887
	5/6	0.960	0.030	0.010	0.944

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.2

Accuracy and Consistency of Classification Indices: Read (Grade 2) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.55	0.442		0.316	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.698		0.548	
	2	0.557		0.456	
	3	0.512		0.408	
	4	0.270		0.198	
	5	0.511		0.383	
	6	0.794		0.634	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.905	0.044	0.051	0.864
	2/3	0.860	0.075	0.066	0.808
	3/4	0.881	0.061	0.057	0.832
	4/5	0.903	0.059	0.037	0.862
	5/6	0.944	0.037	0.019	0.919

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.3

Accuracy and Consistency of Classification Indices: Read (Grade 3) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.447	0.346		0.184	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.803		0.549	
	2	0.391		0.278	
	3	0.562		0.468	
	4	0.260		0.210	
	5	0.382		0.289	
	6	0.631		0.338	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.947	0.010	0.043	0.924
	2/3	0.864	0.073	0.063	0.799
	3/4	0.782	0.094	0.124	0.715
	4/5	0.825	0.089	0.087	0.753
	5/6	0.919	0.068	0.013	0.879

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.4

Accuracy and Consistency of Classification Indices: Read (Grade 4) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.490	0.385		0.246	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.819		0.632	
	2	0.488		0.361	
	3	0.502		0.410	
	4	0.366		0.294	
	5	0.423		0.327	
	6	0.667		0.424	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.951	0.012	0.037	0.931
	2/3	0.883	0.062	0.055	0.828
	3/4	0.814	0.099	0.086	0.756
	4/5	0.840	0.073	0.087	0.780
	5/6	0.924	0.053	0.023	0.884

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.5

Accuracy and Consistency of Classification Indices: Read (Grade 5) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.486	0.383		0.243	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.790		0.603	
	2	0.505		0.382	
	3	0.511		0.414	
	4	0.233		0.184	
	5	0.444		0.348	
	6	0.604		0.393	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.946	0.017	0.037	0.921
	2/3	0.868	0.069	0.063	0.813
	3/4	0.819	0.081	0.099	0.759
	4/5	0.835	0.080	0.085	0.773
	5/6	0.908	0.058	0.034	0.862

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.6

Accuracy and Consistency of Classification Indices: Read (Grade 6) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.586	0.473		0.304	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.712		0.517	
	2	0.688		0.599	
	3	0.513		0.414	
	4	0.298		0.219	
	5	0.541		0.394	
	6	0.705		0.443	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.924	0.026	0.050	0.890
	2/3	0.849	0.073	0.078	0.790
	3/4	0.885	0.074	0.041	0.839
	4/5	0.913	0.060	0.027	0.879
	5/6	0.971	0.021	0.007	0.956

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.7

Accuracy and Consistency of Classification Indices: Read (Grade 7) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.562	0.450		0.292	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.734		0.556	
	2	0.613		0.519	
	3	0.536		0.438	
	4	0.278		0.203	
	5	0.458		0.323	
	6	0.748		0.501	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.913	0.030	0.057	0.876
	2/3	0.844	0.088	0.068	0.786
	3/4	0.876	0.074	0.051	0.827
	4/5	0.911	0.055	0.034	0.870
	5/6	0.962	0.028	0.009	0.944

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.8

Accuracy and Consistency of Classification Indices: Read (Grade 8) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.547	0.438		0.288	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.718		0.555	
	2	0.623		0.527	
	3	0.445		0.352	
	4	0.285		0.211	
	5	0.465		0.339	
	6	0.736		0.503	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.901	0.039	0.060	0.860
	2/3	0.851	0.076	0.073	0.792
	3/4	0.873	0.081	0.045	0.825
	4/5	0.900	0.063	0.037	0.860
	5/6	0.955	0.032	0.013	0.932

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.9

Accuracy and Consistency of Classification Indices: Read (Grade 9) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.543	0.441		0.304	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.771		0.592	
	2	0.627		0.524	
	3	0.447		0.359	
	4	0.335		0.256	
	5	0.410		0.307	
	6	0.761		0.559	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.924	0.022	0.054	0.894
	2/3	0.865	0.067	0.068	0.809
	3/4	0.859	0.090	0.051	0.811
	4/5	0.886	0.062	0.052	0.842
	5/6	0.940	0.041	0.019	0.911

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.10

Accuracy and Consistency of Classification Indices: Read (Grade 10) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.559	0.449		0.302	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.665		0.455	
	2	0.651		0.555	
	3	0.516		0.417	
	4	0.254		0.187	
	5	0.432		0.316	
	6	0.789		0.606	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.933	0.023	0.043	0.902
	2/3	0.852	0.077	0.071	0.796
	3/4	0.870	0.070	0.059	0.819
	4/5	0.896	0.060	0.044	0.850
	5/6	0.941	0.041	0.018	0.914

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.11

Accuracy and Consistency of Classification Indices: Read (Grade 11) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.552	0.443		0.298	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.671		0.473	
	2	0.648		0.552	
	3	0.464		0.370	
	4	0.257		0.193	
	5	0.483		0.362	
	6	0.741		0.554	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.925	0.026	0.049	0.892
	2/3	0.858	0.074	0.068	0.802
	3/4	0.866	0.082	0.053	0.816
	4/5	0.885	0.067	0.048	0.841
	5/6	0.943	0.035	0.023	0.913

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.2.12

Accuracy and Consistency of Classification Indices: Read (Grade 12) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.605	0.493		0.326	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.666		0.465	
	2	0.692		0.613	
	3	0.551		0.440	
	4	0.189		0.134	
	5	0.518		0.384	
	6	0.787		0.590	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.918	0.027	0.055	0.883
	2/3	0.857	0.077	0.067	0.802
	3/4	0.900	0.058	0.042	0.857
	4/5	0.917	0.054	0.029	0.881
	5/6	0.959	0.030	0.011	0.942

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

2.13.3 Writing

Table 2.13.3.0

Accuracy and Consistency of Classification Indices: Writ (Grade K) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.782	0.729	0.514		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.954	0.925		
	2	0.536	0.413		
	3	0.511	0.454		
	4	-	-		
	5	N/A	N/A		
	6	N/A	N/A		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.927	0.028	0.046	0.896
	2/3	0.890	0.043	0.067	0.847
	3/4	0.958	0.042	0.000	0.952
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Table 2.13.3.1

Accuracy and Consistency of Classification Indices: Writ (Grade 1) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.783	0.708	0.560		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.837	0.753		
	2	0.842	0.757		
	3	0.692	0.634		
	4	-	-		
	5	N/A	N/A		
	6	N/A	N/A		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.933	0.039	0.028	0.901
	2/3	0.867	0.032	0.101	0.822
	3/4	0.984	0.016	0.000	0.984
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Table 2.13.3.2

Accuracy and Consistency of Classification Indices: Writ (Grade 2) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.853	0.813		0.644	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.874		0.805	
	2	0.813		0.719	
	3	0.861		0.846	
	4	-		-	
	5	N/A		N/A	
	6	N/A		N/A	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.972	0.015	0.013	0.959
	2/3	0.939	0.023	0.038	0.915
	3/4	0.941	0.059	0.000	0.938
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Table 2.13.3.3

Accuracy and Consistency of Classification Indices: Writ (Grade 3) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.810	0.754		0.509	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.876		0.803	
	2	0.782		0.676	
	3	0.808		0.810	
	4	-		-	
	5	N/A		N/A	
	6	N/A		N/A	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.980	0.010	0.010	0.971
	2/3	0.954	0.019	0.027	0.935
	3/4	0.876	0.124	0.000	0.847
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Table 2.13.3.4

Accuracy and Consistency of Classification Indices: Writ (Grade 4) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.747	0.666	0.453		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.804	0.698		
	2	0.586	0.446		
	3	0.842	0.728		
	4	0.673	0.624		
	5	-	-		
	6	N/A	N/A		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.980	0.011	0.009	0.970
	2/3	0.960	0.016	0.023	0.945
	3/4	0.823	0.044	0.133	0.760
	4/5	0.983	0.017	0.000	0.983
	5/6	N/A	N/A	N/A	N/A

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.3.5

Accuracy and Consistency of Classification Indices: Writ (Grade 5) S403 Paper

Overall Indices	Accuracy	Consistency	Kappa (k)		
	0.804	0.731	0.554		
Conditional on Level	Level	Accuracy	Consistency		
	1	0.817	0.700		
	2	0.578	0.434		
	3	0.850	0.760		
	4	0.793	0.750		
	5	-	-		
	6	N/A	N/A		
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.983	0.008	0.009	0.975
	2/3	0.963	0.017	0.020	0.947
	3/4	0.868	0.040	0.092	0.816
	4/5	0.990	0.010	0.000	0.988
	5/6	N/A	N/A	N/A	N/A

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.3.6

Accuracy and Consistency of Classification Indices: Writ (Grade 6) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.770	0.690		0.493	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.850		0.756	
	2	0.683		0.559	
	3	0.813		0.757	
	4	0.669		0.556	
	5	N/A		N/A	
	6	N/A		N/A	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.969	0.014	0.017	0.956
	2/3	0.942	0.023	0.034	0.919
	3/4	0.858	0.074	0.068	0.812
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.3.7

Accuracy and Consistency of Classification Indices: Writ (Grade 7) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.767	0.687		0.498	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.861		0.774	
	2	0.694		0.573	
	3	0.814		0.759	
	4	0.626		0.509	
	5	N/A		N/A	
	6	N/A		N/A	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.966	0.015	0.019	0.952
	2/3	0.938	0.025	0.037	0.913
	3/4	0.863	0.068	0.069	0.819
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.3.8

Accuracy and Consistency of Classification Indices: Writ (Grade 8) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.776	0.697		0.512	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.894		0.822	
	2	0.597		0.470	
	3	0.832		0.782	
	4	0.639		0.514	
	5	N/A		N/A	
	6	N/A		N/A	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.963	0.014	0.024	0.948
	2/3	0.940	0.028	0.032	0.914
	3/4	0.874	0.064	0.062	0.831
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.3.9

Accuracy and Consistency of Classification Indices: Writ (Grade 9) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.790	0.707		0.566	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.864		0.771	
	2	0.656		0.532	
	3	0.794		0.709	
	4	0.815		0.753	
	5	N/A		N/A	
	6	N/A		N/A	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.966	0.013	0.020	0.952
	2/3	0.942	0.024	0.034	0.918
	3/4	0.882	0.054	0.064	0.833
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.3.10

Accuracy and Consistency of Classification Indices: Writ (Grade 10) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.788	0.706		0.558	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.832		0.723	
	2	0.662		0.537	
	3	0.798		0.725	
	4	0.815		0.744	
	5	N/A		N/A	
	6	N/A		N/A	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.965	0.015	0.020	0.950
	2/3	0.937	0.025	0.039	0.911
	3/4	0.886	0.056	0.058	0.840
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.

Table 2.13.3.11

Accuracy and Consistency of Classification Indices: Writ (Grade 11) S403 Paper

Overall Indices	Accuracy	Consistency		Kappa (k)	
	0.781	0.697		0.552	
Conditional on Level	Level	Accuracy		Consistency	
	1	0.843		0.743	
	2	0.655		0.531	
	3	0.785		0.708	
	4	0.812		0.738	
	5	N/A		N/A	
	6	N/A		N/A	
Indices at Proficiency Level Cut Points	Proficiency Level Cut Point	Accuracy			Consistency
		Accuracy	False Positives	False Negatives	
	1/2	0.962	0.016	0.022	0.946
	2/3	0.934	0.025	0.041	0.909
	3/4	0.884	0.059	0.057	0.838
	4/5	N/A	N/A	N/A	N/A
	5/6	N/A	N/A	N/A	N/A

Note: Student scale scores and proficiency levels from the state of Colorado and Massachusetts are adjusted for mode effect prior to reporting. As these results are computed differently from other states' results, they are excluded from this analysis.